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A Lap Around the Microsoft Entity Framework

Craig Berntson

The Microsoft Entity Framework is emerging as the preferred way to access data on the .NET platform. Attendees will learn how what is an entity, how to create them, and use them in an application.

Bio

Craig Berntson a Microsoft Certified Solution Developer and has been a Microsoft MVP for over 11 years. He wrote the book "CrysDev: A Developer's Guide to Integrating Crystal Reports", available from Hentzenwerke Publishing. He has also written for FoxTalk and the Visual FoxPro User Group (VFUG) newsletter. He has spoken at various developer events across the US and in Canada, Germany, and the Czech Republic. Currently, Craig develops hospital database software for a Fortune 100 company in Salt Lake City. You can contact him at craig@craigberntson.com, through his blog at www.craigberntson.com/blog, or on Twitter at www.twitter.com/craigber.

A Template for Network Security

Aaron J. Chesley

This session will discuss utilizing the Payment Card Industry Data Security Standard (PCI DSS) as a powerful tool that network and security engineers can use in protecting the systems and data they manage from both public and private threats.

Bio

I am from Burley, Idaho and have a B.S. in Computer Science with an emphasis in Networking from Utah Vally University. I have over ten years of experience in the IT/Networking field. Currently I am employed with Keynetics Inc., a technology incubator of Internet businesses. Keynetics has been ranked in the top 15 of Idaho's Top Private Companies for that last two years and was chosen as the Innovative Company of the Year at the Stoel Rives Idaho Innovation Awards of 2008.

Advanced Virtualization: 2+2=14, Taking your servers to the next level

Mark Rezansoff

Want to stretch 8 GB of RAM into 24? Interested in deploying a fully configured server in minutes, regardless of hardware? Not sure of how a patch or service pack will affect your server? Do you have an application that is running slow, or maybe you have hardware that is maxed out?

I will show how Virtualization will allow you to combine more workloads onto fewer servers. Don't worry about that patch, you've got a rollback plan that will get you back to a running state in seconds. How about the ability to add another processor, more RAM, or another hard drive with just a reboot, no PO required.

Take as few as two servers and create a cluster of resources that will allow you to run 20 or more servers in a highly available fashion with quality of service and guarantees against failure. I will show you how the advanced features of virtualization found in VMware ESX will make this all possible.

Bio

Mark Rezansoff is a technology consultant who is very passionate about his work. He is a true geek who stays current on new trends and technologies. He started working with server based computing in 1999 and has been working with virtualization since 2002. As a consultant with Right Systems, he helps companies by applying what he knows about technology to help create the right solution to their problem.

Applying Lean Software Development

David Starr

For Agile software development team, what lies beyond Scrum? Lean software development provides Agile teams the tools they need to perform more effectively than they ever thought possible.

We will examine the Lean software development principals and practices. We will pay particular attention to Lean technics as a natural evolution for high-functioning Agile teams.

Who should Attend

Anyone involved in the planning, execution, and delivery of software in your organization will benefit from this course. Developers, testers, architects, user experience specialist, managers, and executives alike will all come away from this course with new tools for increasing team performance.

Bio

David Starr is a trainer with Pluralsight where he heads the Agile curriculum and an agile coach with Accentient. He has a passion for Agile software development, building strong teams, Application Lifecycle Management, Visual Studio Team System, and .NET.

David has over 18 years of experience in software development and has held numerous leadership positions in technology teams. He is an member of the technology training staff at Pluralsight where he heads up the Agile Software Development curriculum. He is an Accentient consultant, an Agile coach, a .NET developer, and founder of Elegant Code.

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Silver Sponsors



ASP.NET MVC: Client Side Rendering with the Spark

Chris Bilson

I will demonstrate building a web application that does client side rendering using the Spark View Engine, and discuss how this affects how we build web applications.

ASP.NET MVC in the Real World

Tony Rasa

The ASP.NET MVC framework is simple and powerful, but straight out of the box it is very bland. If you're going to do more than a simple "Hello World" web application, you'll need to add some Opinions into the framework by way of extension methods, conventions, and other tricks that makes the environment more useful.

Code and examples in C# with ASP.NET MVC 1.0 and will assume some small familiarity with the MVC framework (i.e., you've probably heard of it).

Bio

I've been doing professional software development for over 15 years, and not-so-professional work for long before that. I spend a lot of time considering architectural concerns and attempting to implement those concerns into living, breathing, code. This lets me take what I hope is a pragmatic approach between getting the job done and keeping up with the latest fads in software design.

Android Phone Application Development

Jim Munn

In this session we will cover the following:

- What is Android
- What do I need in order to create an application for Android
- A look at the various APIs provided by the Android platform
- The creation of a sample Android application

Bio

Jim has been a software developer for over 15 years. He started out using FileMaker Pro and FoxPro on the Macintosh. He was later tempted by "the dark side" and became a Windows developer using FoxPro, Visual Basic and C#. In his spare time, Jim geeks out about fish and aquariums.

Application Extensibility in the .NET Framework

Glenn Block

Are you tired of building monolithic style apps? Are you tired of hacking your app to bits to meet just one more requirement? Do you feel like just emailing the source to the customer and saying "You do it?" If the answer to any of these is yes, then come learn about the new Managed Extensibility Framework which ships in .NET 4.0.

Applications built on MEF dynamically discover and compose available components at runtime. This makes MEF ideal for third-party extensibility scenarios, where the type and number of extensions are undefined. With MEF you CAN pass that baton back to the customer and relieve your engineering team. Come to this Q&A session where we will discuss the nuts and bolts of MEF, scenarios for using MEF, and why we should all become MEF users J.

I'll have a laptop available so we can whip up some code if the conversation leads is in that direction.

Bio

Glenn is a PM for the new Managed Extensibility Framework in .NET 4.0. Prior to Microsoft, he worked for 10 years in various startups and ISVs wearing many different hats all related to developing software.

Glenn has been writing code practically since the time he learned how to ride a bicycle. When he's not writing code, he's continuously improving on ways to build better software. Glenn is a geek at heart and spends a good portion of the rest of this time spreading that geekdom through conferences, and the community through groups such as ALT.NET.

When he's not working and playing with technology, he spends his time with his wife and four year old daughter either at their Seattle apartment or at one of the local coffee shops.

Application Security: Firewalls are No Defense

Dan Corsberg

According to research by the National Institute of Standards, 92% of all security vulnerabilities are now considered application vulnerabilities and not network vulnerabilities. From TJX to Heartland, companies are paying millions of dollars to learn some harsh lessons. This brief talk sets a context, demonstrates and defends against of the two most common types of application security exploits, and points to where to learn to learn more.

Bio

Dan Corsberg, a developer, courseware author, instructor, and CTO at Trivera Technologies (www.triveratech.com), has extensive experience in code development, application security, XML and web services, and software project leadership. He heads down in the winter so he can row on Idaho's rivers in the summer. A CS graduate of University of Idaho with multiple software patents, he will be challenged by this audience. Usually no one in his audience even knows where Idaho is, enabling him to tell whatever outlandish story about Idaho that he wants.

Assuring SQL Server Schema and Code Quality

Richard Hundhausen

In this session we will examine the newly-redesigned Database Edition of Visual Studio Team System and discover the tools and techniques you can leverage to maintain your SQL Server 2000/2005/2008 databases, including schema compare, data generation, unit testing, and refactoring.

Bio

Richard Hundhausen is the president of Accentient, a company that specializes in Application Lifecycle Management using Visual Studio Team System. He has 25 years of software and database development experience and 18 years of training and presentation experience. Richard is a Microsoft Regional Director, Visual Studio Team System MVP, and author of "Working with Visual Studio 2005 Team System" (Microsoft Press).

Back to the future of Animation with robotics

Eric Regner and John Sosoka

Is the first decade of 2000 similar to the 1980's? Animation developed from a 2D medium to 3D in the '80's. Now, 3D animation skills and tools are being used to animate robotic life forms, allowing the animators to actually feel and interact with the physical world. Is robotics taking us back to the future of animation?

The emerging robotic life form "revolution" parallels the 1980's in many ways. In the 80's, traditional 2D animation skills were being applied in a new, non-traditional way. Today, 3D animation skills are being applied to robotic life forms, allowing animators to touch and interact with their animations. To really become a robust artistic medium, animation for physical life forms is exposing the need for better tools and much faster hardware. However, as was said in the 80's, faster hardware and better tools will follow.

Ugobe is taking the next step in robotics by bringing companion life forms to the market using some familiar and some not-so familiar tools. This discussion will focus on some of the challenges we have had to overcome, and some of the obstacles that remain.

Eric's Bio

Production Manager and Engineer, R Squared Digital Media, Inc.

Prior to working at R Squared, Eric began his career as a Mechanical Engineer. Eric received his degree in BS in Mechanical Engineering from the University of Idaho in 1989, and is currently working on his MEd thesis in Educational Technology at Boise State University.

While working at Idaho Power as a Mechanical Engineer, Eric began experimenting with animating his mechanical designs and has since developed a unique talent for blending technical and creative information to solve communication challenges for clients. Eric is an Autodesk Certified Instructor in 3ds Max, has authored a book on 3D animation, and is a course ware developer for Pearson Learning Solutions.

Eric was an early team member for Ugobe's life form development and continues to utilize his expertise to help clients with pre-visualization of their products. Eric also leverages his education strengths producing training products for our e-learning clients.

Bio

Co-Founder/CTO of Ugobe, John is an entrepreneurial CTO with a broad background in science, technology and product development. He is a multiple patent holder with many award winning product designs to his credit. He has worked in education through software at Davidson & Associates as well as educational products at Neurosmith, another company he co-founded. The years of work with robotics, multimedia studios, manufacturing product in China and leading edge design have positioned him well for his work at Ugobe as co-founder, CTO and head of R&D. John has established a multi-disciplinary R&D team of programmers, animators, mechanical engineers, electrical engineers, writers, sound designers and artists to execute the design of Pleo. John is also the chief architect of the artificial intelligence and animation systems for Pleo and the LifeOS platform.

Black Box T-SQL

Arnie Rowland

Often when providing data to our applications, we fail to design our data access strategies in ways to optimize T-SQL code maintenance, T-SQL code object performance over the project life cycle as well as preventing hacking attempts. SQL Server MVP [Arnie Rowland](#) will present proven methods to optimize T-SQL code object performance, T-SQL code maintenance, and to prevent SQL hacking -including SQL injection attacks.

Bio

Ph.D, MCITP, MCDBA, MCSE, MCT, MVP (SQL Server)

During his career as a outspoken architect and application developer with very large databases, Arnie realized that most issues between Developer and DBA comes from incomplete communication and a misunderstanding of each other's primary directive. As a frequent Trainer and Mentor for Developers and Database Administrators, he has nurtured a knack for helping to 'bridge the gap'. Arnie is a rare mix of expert developer and gifted database administrator, bringing both sets of skills to better communicate with development teams to create a working solution.

Arnie is a Microsoft SQL Server MVP and has been a Subject Matter Expert (SME) working on SQL Server 2000 and SQL Server 2005 training courses and has recently been involved as a SME with the development of the SQL 2008 Microsoft Certification Exams. He is also a Microsoft Certified Trainer, and has served as a technical editor for several publishers, including multiple SQL Sever 2005 titles in the Microsoft Official Curriculum. Arnie has served as adjunct faculty at the University and Community College levels. Clients include Multi-National and Fortune 500 companies, Federal and State agencies, Foreign governments, nationally recognized training facilities, and local enterprises –both public and private.

In addition to being a pilot and flight instructor, he holds post-graduate degrees and is an avid bicyclist and sailor. Arnie is a Senior Moderator on the MSDN and TechNet SQL Server related Forums.

Building a Whole Application in F#

Chris Bilson

F# is a wonderful new language developed by Microsoft, which emphasizes functional programming concepts and cleanly describing computation. F# also supports rich interaction with the OO world that makes up the rest of .NET. While it's perfectly possible (and even kind of easy) to write whole applications in F#, you don't hear much about this or see people doing it. Let's talk about what it takes to build an entire application in F# and discuss some of the implications.

Building Business Application with Silverlight

Bill Moore

Making a business application with SilverLight. We'll go end-to-end from UI to DB exploring how to get the data to the presentation layer and how to make a great UI.

Building Composite LOB Silverlight and WPF apps

Scott Nichols

This will be an introduction on how to build LOB (line of business) applications with both WPF and Silverlight clients using a plug-in composite architecture following known best practices from the Microsoft Patterns and Practices team. I will also demonstrate how these applications can be structured in an SOA fashion taking advantage of the latest WCF capabilities. Technologies that will be used in this presentation/demos(s) are as follows.

- Visual Studio 2008 SP1 (C# language)
- p&p - PrismV2: Composite Application Guidance for WPF and Silverlight (www.codeplex.com/CompositeWPF)
- p&p - EntLib4.1: Enterprise Library Applications blocks (www.codeplex.com/entlib)
- p&p - WCF Security Guidance Project (www.codeplex.com/WCFSecurity)
- CSLA 3.6: binding business object framework (www.lhotka.NET)

Bio

By day you will find Scott working as a Lead Software Engineer and Software Solution Architect for Washington Division of URS inc. By night you will see Scott at the Boise .NET Developers User Group www.NETdug.com where he is one of the group leaders and organizers. On occasion you can read a few blog post by Scott on the most excellent blogging site <http://elegantcode.com/>

Coding for fun: Beat the Puzzle Master

Randy Buchner

Every Sunday on NPR, puzzlemaster Will Shorts broadcasts a puzzle challenge to listeners. Solving it with code is twice as fun, and also a great way to develop your coding skills. Here's a sample puzzle I solved in about 30 minutes: "Take the name "Pensacola," remove one letter and rearrange the letters that remain to get the first and last name of a famous person in American history. Who is it?"

Topics include (as time permits):

Getting category lists from the web, like a list of famous people (using 'screen scraping' and regular expressions)

- Easy anagrams
- Programmatically finding rhymes
- Use MS Word to look up synonyms and antonyms
- Recursive algorithms for enumerating combinations, modifying binary search for closest match
- Algorithm analysis

Bio

Randy Buchner has been a professional programmer for over sixteen years, working primarily with C#, Javascript, Visual Basic and Fortran. He is adjunct faculty at Boise State University, where he teaches [ASP.NET](http://www.asp.net). He is a Microsoft certified Application Developer for .NET and has achieved numerous other Microsoft certifications.

Context-Driven Test Management

Thad Butterworth

Are you satisfied with your test team? Do they deliver the results you need when you need them? Do you want to have a more effective test team? Learn how to analyze your organization's test needs and tailor your testing efforts to empower more effective development. Learn the principles of Context-Driven Testing and Context-Driven Management and how to apply them in your organization.

Bio

Thad Butterworth is the QA Manager for M2M Communications in Boise, Idaho. He has worked with teams of all sizes in large corporate environments as well as small start-ups. He has established successful test teams by applying the principles of Context-Driven testing and investigating new testing techniques and methods.

Data Synchronization and the Microsoft Sync Framework

Joel Feaster

- Reasons to NOT replicate data
- Overview of traditional database replication: snapshot, transactional (log shipping), merge
- Case study of a custom data replication solution: the good, the bad, and the ugly
- Why Microsoft Sync Services?
- Overview of Sync Services
- Demo of Sync Services
- Future direction of Sync Services
- Assorted new sync-related tidbits such as SQL 2008 Integrated Change Tracking and the `min_active_rowversion()`

Bio

For the past 9 years, Joel Feaster has been the Senior Software Engineer and Architect for an international auction and appraisal company, GoIndustry Dovebid. Based in London, GoIndustry Dovebid has 48 offices in 22 countries and services many of the worlds largest corporations. Previously, he was a founding partner of Cerebus Consulting, a Microsoft Certified Solution Provider and training company in Albuquerque, NM.

Drupal Kickstart - Building Modules

Joshua Brauer

In this workshop we will cover easy ways to begin with module development, highlighting some simple ways to integrate with Drupal.

We will start from some basic hooks, and point out security, localization and internationalization best practices. Drupal might look intimidating at first, but you'll learn that starting off your first modules is a breeze.

If you develop with the community agreed best practices, you'll see that rolling forward is much easier then just making up your own rules on the way, so we will show some best practices developed through the past.

You will walk away with an understanding of some of the fundamental integration possibilities in Drupal, such as the menu system, blocks, forms and emails.

Bio

Joshua joined the Drupal community in 2003, and has done everything from evangelism to implementing sites, coding and theming. Joshua works at Acquia and provides Drupal support and professional services in addition to serving on the Drupal documentation team, as a Drupal.org webmaster and as a member of the Drupal security team. Most recently he headed his own Drupal shop, Brauer Ranch Ltd. Before that he was director of Information Technology at William S. Boyd School of Law at University of Nevada Las Vegas, and was a senior business analyst at EDS. He has a degree in Technical Journalism from Colorado State University. When he's not working on Drupal he enjoys photography, skiing, reading, hiking, horseback riding, cycling and hanging out with his wife, Sarah and toddler, Rosalind.

Events, Delegates and Lambda Expressions for Event Driven Programming

Larry Guger

This session will drill down into how events, delegates, callbacks and lambda expressions are used for synchronous and asynchronous code execution. This code intensive session will leave the attendee with a decent grasp of event driven development techniques for highly responsive applications.

Bio

Larry is the Director of the Microsoft Practice for Online Business Systems located in Portland Oregon.

F#

Jason Mauer

F# is a typed functional programming language for the Microsoft .NET Framework. F# combines functional programming with the runtime support, libraries, tools, and object model of .NET. Understand how F# asynchronous workflows help tame the complexity of parallel and asynchronous I/O programming and how to use F# in conjunction with tools such as Parallel Extensions for .NET.

Bio

Jason Mauer is a Senior Developer Evangelist with Microsoft covering the Pacific Northwest. He has been with Microsoft for 8 years, with a background in .NET application development, SharePoint, XML and the Web, and game development with DirectX and XNA. Find him online at <http://www.jasonmauer.com/>

FubuMVC 101

Ryan Kelley

FubuMVC is a Front Controller-style MVC framework designed primarily for Web applications built on ASP.NET. FubuMVC is an alternative to the ASP.NET MVC framework For Us By Us (FUBU).

This session will be an introduction to FubuMVC and some of the things it can do.

Bio

Ryan Kelley is the Director of Software for CoachesAid.com and has been doing development work professionally for about 10 years. He currently focuses on ASP.NET and web applications, but brings experience with .NET Windows forms applications. His background includes implementation of Lean manufacturing principles in production management software, agile development, distributed project development and a focus on process controls. His real passion right now lies in C# and other .NET technologies. He is in the process of bringing the same Lean principles used in manufacturing to his software team.

He is a big fan of the Alt.NET movement and creating simple, clean, testable, and maintainable code.

How to create World of Warcraft add-ons

Conrad Kennington

Learn to write custom add-ons for the world's most popular online game. We will cover basics for using the game API, and create a few simple add-ons from start to finish using XML and the Lua programming language.

Bio
Software developer at Keynetics Inc. in downtown Boise, holds a master's degree in computer science from Boise State University, and a 3rd year code camp presenter. Also a Gnome Warlock on Altar of Storms---say hi if you're Alliance. If you're Horde, you're probably already dead. :)

How to integrate Agile, TDD, OO and UML

Ed Lance

nTier Training (www.nTierTraining.com) has developed an intensive hands-on boot camp that teaches you how to integrate Agile Development, Test Driven Development (TDD), Object Oriented Principles and Practices, Design Patterns and UML to fully harness the power of modern best practices to provide the most valuable software possible. In this session we'll give you a snap shot of how this process works and some suggested ways to implement it in your company.

Bio
Ed has more than 10 years of industry experience as a developer, project lead, technical trainer and manager. A constant student himself, Ed is a Sun Certified Java Programmer, has Bachelor's of Science in Management and Communications and is working on a Master's in Computer Information Technology.

In addition to occasional consulting work, Ed keeps his coding skills sharp writing courseware and hands-on labs His passion is learning, discussing and teaching Java, Eclipse, Object Oriented Principles and Practices, and related topics.

Ed also has a wide variety of business experience including 15 years in the restaurant industry, owning and operating a couple of small businesses, managing a medical practice and helping to start a pharmaceutical research company.

Introducing Silverlight 3

Bill Moore

Just released at Mix09 come get an introduction to the new features in Silverlight 3.

Introduction to Adobe Flex

Kurtis Leatham

An introduction of Adobe Flex and how it can be used to develop Web 2.0 compliant business applications.

We will start off by discussing what Flex is, what its capabilities are, and what other languages it can interface with. After that we will have a demonstration of how you can use Flex to create Web 2.0 business applications. We will then take a peek beneath the covers and discuss the basics of the language. This portion of the discussion will cover Action Script 3, the MXML markup language, and possibilities of using a Model View Controller (MVC) framework such as Cairngorm to build your applications.

Bio
Kurtis has worked in the IT industry since 1987. For the last ten years he has been a self employed consultant developing business applications for the State of Idaho, Amkor Technologies, and a host of other small companies and groups. Kurtis prefers to develop his applications using ColdFusion as the back end data processing language and Flex 3.0 for the front end user interfaces. He has over ten years of experience with CF and over two years with Flex. Kurtis has presented CF related topics at several CFUnited events and taught the Fundamentals of Relational database Design at BSU for 2 1/2 years.

Introduction to Google Map API

Roy Forsstrom

With the latest release of Google's Maps API, getting a custom map on your website is easier than ever. We'll review basic cartography, API functionality, developer tools and then create live maps. Basic knowledge of HTML and javascript is helpful but not necessary.

Bio
Roy Forsstrom's experience in geographic information systems started with a Fortran-based system running on Apollo workstations more than 20 years ago. As a GIS Manager and consultant he's helped raise the awareness of GIS from a backroom engineering application to one of the more popular applications on the internet today. He is a consultant to local governments and utilities with Karta Consulting in Boise. Roy holds a master's degree in geography from Columbia University and is a certified PMP and GISP (GIS Professional) and a member of the Idaho Geographic Names Advisory Council.

Introduction to Inversion of Control

Chris Brandsma

In this session we will explore what problems IoC libraries are trying to solve, what patterns they are implementing, how to write your own, and how to use one of the existing .Net IoC libraries that are freely available on the web.

Bio
Chris Brandsma hales from Wendell, ID, but now lives in Boise. He is a Senior Software Engineer working for MobileDataforce in Boise, ID. He is a blogger on ElegantCode.com, runs the Boise Software Developers Group, and is on the Board of Directors for Boise .Net Developers Group and Boise Code Camp. When not doing such crazy stuff he dutifully agrees with everything his wife has to say and helps out with his four children.

Introduction to JQuery

Chris Brandsma

In this session we are going to talk about what a web developer should know to start using JQuery. We will discuss potential problems you may encounter and how to get around them. As time allows we will also talk about JavaScript code organization, debugging, and testing.

Bio

Chris Brandsma hales from Wendell, ID, but now lives in Boise. He is a Senior Software Engineer working for MobileDataforce in Boise, ID. He is a blogger on ElegantCode.com, runs the Boise Software Developers Group, and is on the Board of Directors for Boise .Net Developers Group and Boise Code Camp. When not doing such crazy stuff he dutifully agrees with everything his wife has to say and helps out with his four children.

Introduction to Photo Image Processing

Doug Reece

This session will cover the basic methods for manipulating photo images along with few advanced methods as well. We'll cover a variety of techniques ranging from basic image correction to red-eye removal to a few special effects. We'll look at code that directly accesses images at the pixel level. No third-party libraries will be used. We will also discuss how to use the DataModel-View-ViewModel approach to keep a user interface responsive during the time-consuming image manipulation operations. The discussion will center around a small photo manipulation application built with Delphi 2009. The techniques used are industry standard and the example code will provide a good foundation for those who would like to pursue additional image manipulation projects in other programming languages and technologies. Source code will be made available.

Bio

President of R-Technics, Inc., and chief architect and developer of SongShow Plus, a multimedia presentation tool.

Introduction to Physical Computing

Jason Walker

This session will serve as an introduction to physical computing using the Arduino: an open-source microcontroller platform. During the session, I plan on presenting what the Arduino is, how you interface and program it, and why it's cool. As an example project, I will be showing how to control an Etch-a-Sketch with a Wii Nunchuck controller using the Arduino.

Bio

Jason Walker is an employee of Blackfin Technology that has been, during his spare time, learning about electronics and microcontrollers.

Introduction to the Ruby Programming Language

Stefan Nuxoll

While many people overlook it, ruby itself is a fully functional programming language ready to tackle almost any task you can throw at it, not just web applications. Many people may be drawn to this elegant language, but the majority of lessons out there are either suited at the absolute programming novice, or the people who already know ruby. This session will introduce the ruby programming language in a way tailored to those who already know how to program (or at least know the basics) in one or more languages.

After a basic introduction to the language features, and some general best practices on how to use them, there will be a Q&A session in which I will answer most questions pertaining to the language, so feel free to start writing up a list.

Bio

A 17 year old rubyist, high school dropout, and avid linux user; I enjoy exchanging knowledge with others and spend most of my day looking for new things to absorb. What I lack in formal education I make up for in my self-learning over the years thanks to the internet. So while I may not have silly papers to say I have the patience to accept the boring and monotonous, I guarantee I have the capacity and desire to learn to a much higher degree than most.

This year I will be giving a talk on the ruby programming language, and I do hope you'll enjoy attending as much as I'll enjoy presenting it.

Introduction to SQL with Sybase Advantage Database

Josh Neider

The session will cover basic SQL statements including SELECT, INSERT INTO, UPDATE, DELETE FROM, and JOIN types. It will also cover basic SQL optimization techniques.

Bio

Josh worked in IT for a manufacturing company for several years before graduating from BSU with a CIS degree in 2007. Josh has been working for Sybase iAnywhere in Boise, ID since January of 2008 as a Technical Services Engineer supporting the Advantage Database Server.

iPhone Development: From development to app store

Greg Bernhardt

How can you design and build an iPhone application in your spare time that pays half your mortgage? (I did.) Learn some of the tricks and traps to iPhone development.

- What will you need to get started?
- Why won't your iPhone application look like how you originally thought it would? (if you're doing things right...)
- What can you do to make your sales triple? (not guaranteed to work)?
- Why will your sales in Holland be twice as much as in the U.S. per capita?
- What will cause your app to get rejected?
- How can your largest expense for running your iPhone business be the coffee you drink? (drink more coffee?)

- Some possibly misguided answers to these questions (and more)...

Bio

Greg Bernhardt is owner of gcb Software, creator of "GroceryZen" for the iPhone, and a senior program manager at Microsoft working on the SharePoint product. His largest business expense for running "GroceryZen" is now the coffee bills from Tullys (and the yearly bill to the accountant).

Java Struts Architecture

Arup Patranabish

- Understand MVC (Model-View-Controller) in terms of Struts architecture.
- Live Code will be written for all the three layers.
- View – JSP- Java Server Pages
- Model- Hibernate
- Controller-Coding the business rules in the middle layer.
- Both Domain and Object Model will also be discussed.

Bio

Arup has over 18 years experience working in software development and 14 years in Open Source Technologies. He founded and currently is President and CEO of Analyze Soft Inc. His industry experience includes working for: Oracle, Novell, and Fujitsu. Arup has helped develop an Enterprise Architecture frame work which can be used for any application independent of implementation.

He is a loving father of two boys and loves playing racquetball.

Analyze Soft Inc. was founded in 2001 as a full-service consulting and information technology company. They offer a broad range of services to both state and federal Government. They specialize in transfer applications with Open Source Frameworks for Dept. of Justice/Corrections management systems.

KPIs and Business Intelligence in ASP.NET and SharePoint

Larry Tuck

A Key Performance Indicator (KPI) is a visual cue that communicates the amount of progress made toward a goal. This session explains how to create KPIs by using ASP.NET and Microsoft Office SharePoint Server 2007 KPI lists and how to display KPIs on Web pages. I'll go over the following topics

- Indicators
- Dashboards
- Delivering reports from SQL Server Analysis Services

Bio

Larry Tuck has Twenty years of experience in the Computer Industry through a number of markets: GIS, Semi-Conductor, Power, Health and Legal. Larry Tuck's experience includes Networking, Databases, Web Development and Software Engineering and holds a Masters Degree in Managing Information Systems. Mr. Tuck has had a number of speaking engagements including "The Portland .NET User group on," "Using the Dispose Pattern to Prevent Resource Leaks", 2007 Portland Code Camp, Portland SharePoint User Group and the GIS Trade Show in Anchorage, Alaska. Mr. Tuck has been a Mentor and Trainer for over five years in his various roles at Daverci Solutions, eDiscovery and his current position as Chief Technology Officer at Aivea.

LINQ to Everything!

Kevin Babcock

So you think you already know everything there is to know about LINQ? You've used it to query your SQL Server database and your objects, and even to manipulate your XML. But have you ever looked under the hood to understand what makes LINQ tick? What are these magical things we call lambda expressions? Why would I ever want to use an extension method? Come get the answer to these questions and more as I show you how LINQ works and what you need to know to write your own LINQ extensions. After this session you'll be ready to LINQ to everything!

Bio

Kevin Babcock is a developer evangelist for Telerik and active .NET community member. He has developed on the .NET platform for about 2 years now, having transitioned from a past career as a U.S. Air Force communications specialist. A recent graduate from Texas A&M University with a degree in Computer Science, Kevin joined Telerik in the Summer of 2008 and has been speaking at conferences, code camps, and user groups ever since.

Map-Reduce Clustering Algorithms for the Netflix Problem

Makho Ngazimbi and Amit Jain

MapReduce is a software framework that allows certain kinds of parallelizable or distributable problems involving large data sets to be solved using computing clusters. MapReduce is attractive because it abstracts parallel and distributed concepts in such a way that it allows novice programmers to take advantage of cluster computing without needing to be familiar with associated complexities such as data dependency, mutual exclusion, replication, and reliability. However, the challenge is that problems must be expressed in such a way that they can be solved using MapReduce. This often involves carefully designing inputs and outputs of MapReduce problems as often outputs of one MapReduce are used as inputs to another. Data clustering is a common computing task that often involves large data sets for which MapReduce can be an attractive means to a solution. This paper presents a case study of clustering Netflix movie data using Kmeans, Greedy Agglomerative, and Expectation Maximization clustering algorithms using Apache Hadoop MapReduce framework. A demonstration is provided on how this clustered data can be used to create a movie rating predictor and a movie recommendation system. The predictor demonstrated also highlights the exciting collaboration of MapReduce and Database Management Systems, namely Hadoop and MySQL.

Bio

Makho Ngazimbi and Amit Jain
Department of Computer Science

Making a Mesh of things

Sean Timm

Find out how you can play in the cloud with Live Mesh -- Microsoft's cloud play that is all about *you*. Your data, your devices, your friends... everywhere you are. We'll cover current Live Mesh functionality as well as how you can build on the Live Mesh platform.

Mindstorm, Wiimotes, and .NET

Aaron Backer

Learn to control meatspace from cyberspace!

We'll add PC control to our bluetooth-enabled Lego Mindstorms NXT robot from .NET, then add a wireless wiimote to conduct the parade...all through the magic of .NET (and some very nice libraries written by other people)!

Bio

Aaron is an aspiring developer who just likes to build stuff.

He writes code, dabbles in electronics, likes the sparks and hot goo of welding, and tries not to sniff too much of his wood dust. He's also been known to get excited over the possibilities of paperclips, pocket lint and epoxy.

Mono C# .NET on Linux and ASP.NET on LAMA

Clint Tinsley

Run .NET applications on Linux! You may have read about it in Dr. Dobbs or in asp.NETPro, now learn how it works including code examples. Mono provides for running .NET applications on Linux including winforms and gtk applications. LAMA is an acronym for Linux-Apache-MySQL-ASP.NET. which provides for running Dynamic Websites using MySQL (or Postgresql) and ASP.NET on Linux systems with Apache. Presentation will provide an introduction to migrating .NET applications from Visual Studio to Mono using the MonoDevelop IDE and implementing asp.NET web applications on LAMA including some of the tools used and making the database connection to MySQL and PostgreSQL.

Bio

Clint Tinsley is an IT System Engineer with over 25 years of experience in supporting PC hardware, servers, networks, end user applications and has written code for a number of applications. He is currently employed as a Build System Engineer where his duties not only include an extensive virtualized build system environment but also includes supporting code written in C#, Python, Perl, PHP and .NET. Clint has been active participant in the Boise user community as past President of the Idaho PC Users Group, author of many articles and presentations, and he is founder of the Boise Linux Group, Boise's oldest continually meeting Linux User group.

Multithreading Applications in C#

Ed Klopfenstein

Multithreading applications is the backbone for high-use software, or at least software you don't want to get phone calls on at 4 a.m. In this session, we'll cover a simple console application and how it went from dull to dynamic. In the process, we'll also review the basics of multi-threaded applications in C#, version 3.5 and review some need-to-know concepts for threading, such as Semaphore, Monitor, and ThreadPool. If you're lucky, we'll even go over a few gotchas between newer and older .net threading models and explain why 3.5 might actually be slower than your old code in 1.1.

Bio

Ed Klopfenstein has been a developer with a hard to pronounce last name since 1995. In 2003, he started Visual String in Meridian, ID, to create software that links marketing promotions to clouds and other backend services like Salesforce, Netsuite, TransUnion, and Lexis Nexus. He lives in Meridian, ID with his wife and teen daughters, his excuse for still hitting the indie music scene.

MVP with ASP.NET and Unity

Mike Moser

This will be a presentation on MVP architecture and different ways to implement it using Unity in Asp .NET.

Bio

Mike Moser is a Lead at iTradeNetwork. He is also an owner of River Moss Technologies, a software consulting company located in Boise. He is passionate about architecture and design. Mike has been successful with leading teams onshore and offshore and bringing his teams up to a higher standard of code. Mike is always learning and wants to stay on top of technologies.

MySQL Essentials--A Hands-On Lab

Kenji Hyde and Lee Stigile

Attendees will install MySQL, learn about basic configuration and tuning options, and set up MySQL replication. We'll demonstrate common MySQL tools, review MySQL replication topologies and discuss common scaling strategies.

1. Install MySQL (software will be provided at the session). It will be a MS Windows install.
 - a. Discuss configuration options
 - b. Highlight storage engine choices
 - c. Identify key tuning parameters
 - d. Load sample database files
2. Demonstrate MySQL Management Tools
 - a. MySQL Query Browser
 - b. MySQL Administrator
 - c. MySQL Workbench
3. Set up MySQL Replication

- a. Overview of MySQL replication
- b. Configure master and slave servers
- c. Demonstrate replication SQL commands
- d. Discussing scaling with replication

Note: Presenters will set up a dedicated wireless access point for replication purposes. The presenters will also bring media for distributing MySQL installs and sample files.

Bio

Lee Stigile is a Systems Engineer for MySQL. He specializes in helping customers design highly available and highly scaleable MySQL database systems. Lee is based out of the Boise MySQL office.

Kenji Hyde is a Systems Engineer for MySQL.

Network & System Monitoring with Nagios & Cacti

Kevin Mueller

This session will discuss the basic installation and configuration of Nagios and Cacti to begin basic monitoring, trending and alerting for networks and systems. We will discuss the basics of setting up alerting thresholds in Nagios and graphing historical data in Cacti.

Bio

I am originally from Twin Falls, Idaho, and I have a B.S. in Computer Science from the University of Idaho. I have over ten years of experience in the IT field. Currently I am employed with Keynetics, Inc., a technology incubator of Internet businesses.

New Prototyping Tools for Designers and Devs

Becky Reed

Enough with the lousy specs.

Does each new app you start begin with a Yellowpage-sized spec, perhaps a zillion vague emails, or best yet...a sea of WYSIWYG wireframes and PowerPoint files?

Give yourself an early birthday present - give Word the week off and check out one of the many apps designed to create (and maintain!) rapid prototypes.

Whether your goal is to GIVE or GET better product specification, this session will case study the design and development of a complex app using several budget friendly prototyping tools including Axure and Protoshare.

Bio

Becky Reed is the Senior Interaction Designer at Healthwise, Inc. Beyond her absolute obsession with designing the perfect progress bar, she has spent almost a decade designing web applications and confounding innocent developers with mountains of documentation.

Niem/Global Justice XML

Arup Patranabish

Detailed discussion on National Information Exchange Model

Bio

Arup has over 18 years experience working in software development and 14 years in Open Source Technologies. He founded and currently is President and CEO of Analyze Soft Inc. His industry experience includes working for: Oracle, Novell, and Fujitsu. Arup has helped develop an Enterprise Architecture frame work which can be used for any application independent of implementation.

He is a loving father of two boys and loves playing racquetball.

Analyze Soft Inc. was founded in 2001 as a full-service consulting and information technology company. They offer a broad range of services to both state and federal Government. They specialize in transfer applications with Open Source Frameworks for Dept. of Justice/Corrections management systems.

Object-relational mapping with SubSonic

Paul Shaffer

This will be a brief overview of the use of the [SubSonic object-relational mapper](#) in the .NET framework. Emphasis will be on coding demonstrations in Visual Studio 2008, showing how to use SubSonic to automatically create [DAL](#) layers for windows forms and asp.NET applications. It only takes minutes to setup fully functional user interfaces including grid controls, dropdown lists, etc.

Bio

Paul Shaffer is a Boise area software consultant with over 20 years experience, and has worked on a variety of Windows systems projects including desktop applications, networking and web technologies.

Panel - So you want to be a consultant?

Richard Hundhausen

Join a panel of seasoned consultants to hear their views on the pros, cons, and other hidden details of going on your own in the IT field. Nothing will be out of scope for this session, so bring your technical as well as your business questions.

Bio

Richard Hundhausen is the president of Accentient, a company that specializes in Application Lifecycle Management using Visual Studio Team System. He has 25 years of software and database development experience and 18 years of training and presentation experience. Richard is a Microsoft Regional Director, Visual Studio Team System MVP, and author of "Working with Visual Studio 2005 Team System" (Microsoft Press).

Programming Your First Robot

Dan Ray

A demonstration of the hardware and software tools for programming an 8 bit AVR based homemade robot and a demonstration of programming an Arduino based robot made from off the shelf parts assembled in a weekend. Programming autonomous robots is uniquely enjoyable and different from other types of programming. If you want to program robots, this session will help you understand how to get started.

Bio

A Roboticist by hobby in the dawn hours, Dan Ray builds robots for the purpose of experimenting with philosophies of awareness and cognition. And he is responsible for search and metadata technologies at Healthwise as a Technical Product Manager.

Reporting Services 2008 - embedding PDF documents

Steve MunLeeuw

Reporting Services does not support rendering documents within a report, but with the help of a SQL CLR function we can achieve this. I'll also go over how to handle localization and the new HTML placeholder property.

Bio

I work at SI&A making education planning software. I like to drive around on dirt roads looking for critters, preferably with an open container.

Requirements Are Optional, Right?

Thom Stratton

Good requirements can make or break a project. Yet requirements are often rushed so that teams can get to work "actually building something." Unfortunately this can often result in rework, delays, missing the mark, and outright project failure.

This session will provide an overview of the steps and documentation needed to make sure your technical team has everything they need to build it right the first time. Project Managers, Sponsors, and Team Leads alike will benefit from learning why requirements are important and what pieces are needed before development begins.

Bio

Thom Stratton was a requirements analyst before he even knew the title existed. Even now he prefers to think of himself as a "translator" between the business users and the development team. Currently a Business Systems Analyst for Supervalu, Inc., Thom guides the development and strategic direction for Enterprise Content Management systems. He likes to make things, whether it's a system enhancement, a "ridiculously over-designed" spreadsheet for his family budget, a playhouse for his kids, planter boxes, or short stories. For more info, see www.thomstratton.com

SDS (SQL Data Services) Introduction

Cory Isakson

In this session you will be introduced to Microsoft's cloud database platform know as SDS or SQL Data Services. I will compare it to other traditional and cloud database options. I will demonstrate some of the options for working with data stored in SDS. I will share news from the latest announcements from MIX 2009.

SharePoint 2007 Development

Tisson Mathew

SharePoint 2007 has become an enterprise application development platform. SharePoint has over 100 million licensed users and around \$1 billion in yearly revenues for Microsoft.

This hands-on session will look at enterprise application development in SharePoint using C# and ASP.NET including:

- Architecture
- SharePoint Object Model
- Event Handling
- Branding and Themes

Bio

Tisson Mathew is the CEO of Aivea Corporation, a Microsoft Gold Managed Partner. He has over 12 years of information technology research, development and management experience. Prior to his involvement with Aivea, he spent 7 years with Intel Corporation as a Research Scientist and Program Manager in their enterprise platforms group and corporate technology group. Previously he held lead software engineering positions at Honeywell. He holds a Masters Degree in Computer Science & Engineering from Oregon Health & Science University, Portland, OR. He has 7 patents and has 6 major industry conference publications.

Smokin' Hot MS Office via VBA

James Thomas

You get a programming language with MS Excel, Word, Access, Powerpoint, etc. It allows you to automate repetitive tasks that otherwise take time, are boring and error prone. You can control the other Office programs from one. Ex. Put data in your Access/SQLServer/Oracle/etc database and click a button. The VBA programming runs. It takes the data, starts Word, opens a Word template, inserts data into the document, saves the document, then using Outlook, emails it as an attachment. And, it is smokin' hot FAST. With a little automation, we see productivity increase dramatically.

Bio

MS, Computer Science, extensive experience programming Visual Basic for Applications, designing and implementing relational databases using MS Access, SQL Server, Oracle, and MySQL. Teaches database design and programming topics for Boise State University and is the principal of JTCS LLC, a applications systems consultancy.

SOA: So What and Why?

Dan Corsberg

After years of vendor-pushed hype, SOA and services are finally migrating into organizations in a more general sense. Few seem to understand the most the answers to the most basic of questions:

- What is a service?
- What is SOA?
- What is the difference between a set of web services and SOA?
- What is real and unique about a service-orientation and SOA?

This talk will focus on answering these questions with basic, understandable examples and explanations that have proven to resonate with the entire spectrum of stakeholders from business analysts to Java developers.

Bio

Dan Corsberg, a developer, courseware author, instructor, and CTO at Trivera Technologies (www.triveratech.com), has extensive experience in code development, application security, XML and web services, and software project leadership. He is heads down in the winter so he can row on Idaho's rivers in the summer. A CS graduate of University of Idaho with multiple software patents, he will be challenged by this audience. Usually no one in his audience even knows where Idaho is, enabling him to tell whatever outlandish story about Idaho that he wants.

Software and Copyright Law

Brad Frazer

Brad will provide an introduction to copyright law as it applies to software and code writers, including topics such as copyright authorship, ownership, assignment, registration, and enforcement. Software has certain esoteric copyright characteristics that Brad will introduce and highlight to make sure you are able to own and protect the fruits of your labors. The interactive discussion will also include an overview of copyright issues that arise from using open source code.

Bio

Boise native Brad Frazer is a 1985 cum laude graduate of Brigham Young University (Provo) and a 1988 graduate of the University of California, Hastings College of the Law, where he earned a position on the College's law review. After law school, he received his Masters of Business Administration degree from the University of Utah.

From 1989 to 1997, Brad worked at the Boise law firm Elam and Burke, becoming a shareholder in 1997. In 1997, Brad accepted an in-house position as Senior Intellectual Property Counsel with Micron Electronics, Inc., and remained with Micron Electronics through its merger with Interland, Inc., (now Web.com), the nation's largest web hosting company, eventually becoming Deputy General Counsel to Interland.

From June 2003 to February 2006, Brad was with MPC Computers, LLC, in Nampa where he also served as Deputy General Counsel. Brad is now Of Counsel to Hawley Troxell Ennis & Hawley, LLP, where his practice areas include Internet law, e-commerce, technology and software licensing, trademarks and domain names, copyright and content rights, media law, computer law, trade secrets, and related transactional work and litigation.

Solutions to Vexing T-SQL Problems

Arnie Rowland

SQL Server MVP, is once again presenting a session on finding ordinary solutions to complex problems. He will be demonstrating several query problems that are often difficult to conceptualize, and providing code examples for the solutions. If you want to have your T-SQL code skills challenged and perhaps expanded, you will want to see this presentation.

Bio

During his career as a outspoken architect and application developer with very large databases, Arnie realized that most issues between Developer and DBA comes from incomplete communication and a misunderstanding of each other's primary directive. As a frequent Trainer and Mentor for Developers and Database Administrators, he has nurtured a knack for helping to 'bridge the gap'. Arnie is a rare mix of expert developer and gifted database administrator, bringing both sets of skills to better communicate with development teams to create a working solution.

Arnie is a Microsoft SQL Server MVP and has been a Subject Matter Expert (SME) working on SQL Server 2000 and SQL Server 2005 training courses and has recently been involved as a SME with the development of the SQL 2008 Microsoft Certification Exams. He is also a Microsoft Certified Trainer, and has served as a technical editor for several publishers, including multiple SQL Sever 2005 titles in the Microsoft Official Curriculum. Arnie has served as adjunct faculty at the University and Community College levels. Clients include Multi-National and Fortune 500 companies, Federal and State agencies, Foreign governments, nationally recognized training facilities, and local enterprises –both public and private.

In addition to being a pilot and flight instructor, he holds post-graduate degrees and is an avid bicyclist and sailor. Arnie is a Senior Moderator on the MSDN and TechNet SQL Server related Forums.

Sprint Planning using Team Foundation Server out of the Box

Larry Guger

Team Foundation Server provides the means right out of the box to support almost anyway your team works. In this session we will look at ways of performing Scrum based sprint planning using the built in team templates that come with Team Foundation Server. No need for custom templates or tools, it's easier than you may think!

Bio

Larry is the Director of the Microsoft Practice for Online Business Systems located in Portland Oregon.

Taking Control of the ASP.NET Pipeline

Kevin Babcock

We often forget that there is more to ASP.NET than simply dragging and dropping controls onto a page. Some may consider what goes on underneath to be magic, but if you're interested in digging into the internals of ASP.NET this is definitely the session for you. Join me as I show you how the ASP.NET pipeline works and what happens from the moment it receives a request to when it spits out a response. We'll then take a look at how we can use HttpHandlers and HttpModules to bend the pipeline to our will and customize it for our own purposes. You'll leave with some real-world examples of techniques you can take home to use in your own applications.

Bio

Kevin Babcock is a developer evangelist for Telerik and active .NET community member. He has developed on the .NET platform for about 2 years now, having transitioned from a past career as a U.S. Air Force communications specialist. A recent graduate from Texas A&M University with a degree in Computer Science, Kevin joined Telerik in the Summer of 2008 and has been speaking at conferences, code camps, and user groups ever since.

Teach Yourself ASP.NET

Randy Buchner

No one can learn a programming language in a 1 hour session, but you can see how fun it can be and learn the skills to teach yourself!

- How to build a simple web site in 15 minutes
- Where to get Visual Studio Express for free!
- Where to go for free online training videos
- How to deal with show-stoppers for beginners
- How to make it easy with built-in help features
- How to set goals for yourself so you can keep learning

Bio

Randy Buchner has been a professional programmer for over sixteen years, working primarily with C#, Javascript, Visual Basic and Fortran. He is adjunct faculty at Boise State University, where he teaches [ASP.NET](#). He is a Microsoft certified Application Developer for .NET and has achieved numerous other Microsoft certifications.

Test Driven Development in .NET from Apprentice to Master

Jarod Ferguson

This is a two part interactive discussion about getting started with TDD and then taking it to the next level.

We'll look at how TDD facilitates writing better code. TDD is often labeled as having steep learning curve and adding overhead to a project. Come learn how inversion of control and mocking are the keys to unlocking effective TDD. Although well be using .NET tooling, this session applies any OO language.

Bio

Jarod Ferguson is Software Architect in Boise, ID specializing in enterprise .NET development. He is an active member of the .Net community and is passionate about progressive agile processes like SCRUM and Lean w/ KanBan. Jarod has previously participated in the patterns & practices Web Client Software Factory advisory board as well as the Technology Adoption Program for the Microsoft Entity Framework. You can find his blog at www.elegantcode.com

Technical Writing 101

James Pyles

The session will present the career path of a technical writer, the education, training, and skill sets necessary to approach this job role, and the most common types of employment models for technical writers. The session will also include an anecdotal summary of the presenter's progression through this career path (which is decidedly atypical) and explore just how "technical" a technical writer must be to work with developers.

Bio

James Pyles is the technical writer for Keynetics, Inc, inventor and developer of highly reliable Internet businesses, located in Boise, Idaho. He also is a regular contributor to Linux Pro Magazine, and is a book author, having been published by O'Reilly, and Sybex.

Testing in an Agile Environment

Scott Schimanski

Many software development team roles can change greatly when moving to agile project management methods and testing is no different. In this session we will discuss how testers can interact best with the agile team.

Bio

Scott has been a Tester, Developer and Project Manager at various points in his 15+ year career. Scott is a certified Scrum Master. He currently works at Healthwise as a QA Manager.

The Challenges of International E-commerce

Joel Feaster

Discuss some of the technical challenges for those contemplating international e-commerce.

- Localization
- Currencies, Hedging, and Taxes
- Timezones, Data Management
- Security and Fraud
- Shipping and Logistics

Bio

For the past 9 years, Joel Feaster has been the Senior Software Engineer and Architect for an international auction and appraisal company, GoIndustry Dovebid. Based in London, GoIndustry Dovebid has 48 offices in 22 countries and services many of the worlds largest corporations. Previously, he was a founding partner of Cerebus Consulting, a Microsoft Certified Solution Provider and training company in Albuquerque, NM.

The Color Azure

Craig Berntson

Attendees will come away with an understanding of cloud computing, Windows Azure Services, Azure Storage, and what's still to come.

Bio

Craig Berntson a Microsoft Certified Solution Developer and has been a Microsoft MVP for over 11 years. He wrote the book "CrysDev: A Developer's Guide to Integrating Crystal Reports", available from Hentzenwerke Publishing. He has also written for FoxTalk and the Visual FoxPro User Group (VFUG) newsletter. He has spoken at various developer events across the US and in Canada, Germany, and the Czech Republic. Currently, Craig develops hospital database software for a Fortune 100 company in Salt Lake City. You can contact him at craig@craigberntson.com, through his blog at www.craigberntson.com/blog, or on Twitter at www.twitter.com/craigber.

Time Management for the Technologist

Dan Stratton

Too little emphasis has been placed on the needs of the technology innovator to be in the Creative Zone. What puts the developer in the Zone? What knocks her out of it? How does he get back in? Drawing from Covey, Allen, DeMarco and Lister, this session will present different ways to organize and manage the monumental task of creating something from nothing and still keep all your bosses happy.

Bio

Dan Stratton has developed software in all kinds of environments and managed developers and IT professionals in companies large and small for nearly 20 years. His passion for time management and productivity goes back even further. Most of his adult life has been spent researching techniques to help everyone get the very most from their time, accomplish more than they knew possible and gain balance to their lives.

Visual Studio Team System 2010, A Look Ahead

Chuck Sterling

Charles Sterling (aka Chuck) will be joining us from Redmond with a look at the code focused features in Visual Studio and Visual Studio Team System in 2010 for more productively writing (and debugging) quality code such as:

- Historical Debugger
- Test Impact Analysis
- Code Focused TDD enablers
- Code Analysis
- Coded User Interface Tests

Knowing Chuck he will also probably be packing in the latest build from the daily build server –so not only will his presentation will be without nets he probably won't know exactly what he is going to show us until –well until he gets here!

Bio

Charles Sterling aka "Chuck" has over 15 years of Developer tools experience at Microsoft. He came to Microsoft from being a marine biologist working for the United States National Marine Fisheries doing marine mammal research on the Bering Sea. An MCSE and MCSA, he started out at Microsoft in developer support focusing on FOXPRO, Visual Basic and the platform SDK, then worked as an engineer for the database teams on ActiveX Data Objects (ADO), Open Database Connectivity (ODBC), and specializing in Microsoft SQL Server. From there Charles took a position with the Solutions Integration Escalation Team, which focused on assisting Microsoft customers with the integration of disparate software technologies into viable enterprise solutions, on this team Charles focused on Microsoft Message Queue (MSMQ) doing numerous talks at conferences, writing papers and teaching classes on the topic.

Charles' role in Redmond before moving to Australia for the last seven years was the product manager for the .NET Framework. Chuck is currently back in Redmond working as Program Manager in the Visual Studio Team System Team.

Virtual Classroom: A Vision to Future Learning

Amrit Kale

Virtual education refers to instruction in a learning environment where teacher and student are separated by time or space, or both, and the teacher provides course content through course management applications, multimedia resources, video broadcasting, etc. Students receive the content and communicate with the teacher via the same technology. Virtual education is a term describing education using the network. The term "Virtual" is primarily used in education to characterize the fact that the course is not taught in a classroom face-to-face but through some substitute mode that can be associated with classroom teaching. The objectives of a virtual classroom are to improve access to advanced educational experiences by allowing students and instructors to participate in learning communities using separate computers; and to improve the quality and effectiveness of education by using the computer to support a collaborative learning process. The explosion of the knowledge age has changed the context of what is learnt and how it is learnt – the concept of virtual classrooms is a manifestation of this knowledge revolution.

Virtual classroom

Roshan Karamkar

Virtual education refers to instruction in a learning environment where teacher and student are separated by time or space, or both, and the teacher provides course content through course management applications, multimedia resources, video broadcasting, etc. Students receive the content and communicate with the teacher via the same technology. Virtual education is a term describing education using the network. The term "Virtual" is primarily used in education to characterize the fact that the course is not taught in a classroom face-to-face but through some substitute mode that can be associated with classroom teaching. The objectives of a virtual classroom are to improve access to advanced educational experiences by allowing students and instructors to participate in learning communities using separate computers; and to improve the quality and effectiveness of education by using the computer to support a collaborative learning process. The explosion of the knowledge age has changed the context of what is learnt and how it is learnt – the concept of virtual classrooms is a manifestation of this knowledge revolution.

Classroom setup involves the instructor workstation and a number of PC workstations installed in one physical classroom. With such an arrangement, it is not necessary for students in the classroom to receive separate audio and video streams. The Software uses the concept of streaming media. Streaming media is multimedia that is constantly received by, and normally presented to, an end-user while it is being delivered by a streaming provider. The distinction is usually applied to media that are distributed over communications, as most other delivery systems are inherently streaming. The technologies of network have significantly enhanced the ability to train and educate electronically. Whether the materials are a stand-alone tutorial or a full-fledged live transmission, the Network provides significant new functionality in transmitting information to the student. When integrated with tools such as Usenet newsgroups, annotation facilities, and video broadcasting, the Network can greatly increase students' level of involvement in the training experience. The Network provides an effective mechanism for integrating many of these tools into a single interface and is an ideal tool for information. The Network is revolutionizing some areas of study through increased opportunities for learning and alternative formats for information. Support most popular audio and video file. Virtual classroom is multimedia classroom management software tailor-made for a network environment. With the latest teacher show features, virtual classroom provide teacher and student with the perfect learning environment that discipline, interacts and involves everyone.

Virtualization 101

Clint Tinsley

Virtualization allows you to run operating systems and programs in a "sandbox" on your personal computer in a way that is isolated from your computer's operating system. There are a number of free and commercial programs that provide virtualization environments and there are more options now than when this presentation was given at last years code camp. In this presentation, we will show some of these solutions currently available, how you can use them to run a Windows or Linux workstation or server virtual machine on top of your Windows or Linux computer, along some of the pros and cons of the different environments. VMware, VirtualBox, Virtual PC & Server, Proxmox VE, and XEN 5 are on the short list for this session.

Bio

Clint Tinsley is an IT System Engineer with over 25 years of experience in supporting PC hardware, servers, networks, end user applications and has written code for a number of applications. He is currently employed as a Build System Engineer where his duties not only include an extensive virtualized build system environment but also includes supporting code written in C#, Python, Perl, PHP and .NET. Clint has been active participant in the Boise user community as past President of the Idaho PC Users Group, author of many articles and presentations, and he is founder of the Boise Linux Group, Boise's oldest continually meeting Linux User group.

Visual Studio Team System 2010, Tools for Software Architecture

David Starr

This session examines the features coming in VSTS 2010 with a focus on new tools for enabling consistent and deliberate design. These aren't your grandmother's modeling tools and we'll see how to use great tooling to support Agile software development without big-design-up-front.

- Design validation
- Interactive code modeling
- Code visualization and exploration
- UML modeling

Bio

David Starr is independent software developer with a passion for Agile software development, building strong teams, Application Lifecycle Management, Visual Studio Team System, and .NET.

David has over 18 years of experience in software development and has held numerous leadership positions in technology teams. He is a member of the technology training staff at Pluralsight where he heads up the Agile Software Development curriculum. He is an Accentient consultant, an Agile coach, a .NET developer, and founder of Elegant Code.

Windows Workflow Foundation Essentials: Why, What, and How?

Stuart Celarier

Windows Workflow Foundation (WF) released as part of .NET 3.0 in late 2006, and yet I frequently meet people who haven't used WF even when it seems to be ideally suited to their task at hand. Often that is due to not knowing the essence of workflow: why, what, and how? These are the three essential things that everyone needs to know about a technology before we can start making critical decisions about when, where, or even if we should use it. Why does it exist: what is the fundamental problem that it solves? What does it do: what does the solved problem look like? And how does it work: what is going on underneath the hood to make it happen? And this is absolutely key to success with WF, since WF is a radically different kind of technology to

most of us. This talk is a deep, solid introduction to WF. I'll examine the why and what of WF so that we have a common context, and then explore the mechanics using several small demos to illustrate just how WF works. I'll also take a look at what's coming down the road for WF in .NET 4.0. You'll take away an understanding of the core of WF so that you can make informed decisions about using WF and you'll have a good framework for exploring WF further.

Bio

Stuart Celarier is Chief Software Architect of Aivea, a Microsoft Gold Certified Partner, and a Microsoft Most Valuable Professional (MVP) in Connected Systems. His career spans more than two decades of development, architecture, writing, and training, with a focus on new and emerging technologies. His professional interests include the current and next generations of Windows Communication Foundation (WCF), Windows Workflow Foundation (WF), "Oslo" modeling platform, "Dublin" application server extensions, "Geneva" claims framework, .NET Framework 4.0, and Windows Azure.

Stuart is co-founder of Portland Code Camp and frequently speaks at .NET user groups, conferences, and community events. He is a member of the Software Association of Oregon's Development SIG committee. Stuart is an INETA Speaker and has volunteered with INETA since 2003, including co-chairing the community-led Birds-of-a-Feather track at Tech•Ed 2005–2009 and PDC 2005. He blogs at <http://visualstuart.net>.

WPF for Dummies

Brian Lagunas

This will be an introduction to WPF development and is intended for beginners. This session will focus on the basic usage of WPF to create applications. No spinning buttons, no fancy animations, and no image zooming. Just the basics.

What we'll cover:

- About XAML
- Managing Layout
- Controls
- Data Binding
- Styles and Templates

Bio

I am a Software Engineer at URS – Washington Division located in downtown Boise.

Zend AMF and Flex

Ben Whitaker and Rich Breton

We will be showing how to use Zend Framework with Flex.

Bio

Owner and operator of RIA Fox Inc