

**Developer Bio:** **Michael Gerety** is a Senior Consultant for Tallan, a consulting firm and Microsoft Gold Partner located in Rocky Hill, CT. Tallan develops custom, advanced, business-critical IT software solutions. Michael has more than a decade of experience in custom application design and development using Microsoft technologies. His current passion is using cutting-edge web technologies such as ASP.NET MVC 2 to implement responsive and scalable web application solutions.

**Title: Asp.NET MVC 2 Development – Part 1 – ASP.NET MVC 2 Primer**

Description: This session is intended for current web forms developers, those new to the MVC paradigm, or those interested in exploring web development with ASP.NET MVC. The ASP.NET MVC framework takes a completely different approach to web development than most Web Forms developers are used to. This presentation will bring you up to date on ASP.NET MVC. This seminar will serve as a crash course in the ASP.NET MVC Framework. We'll cover the MVC pattern and then benefits of using it for web development, the ASP.NET framework including history, architecture, and implementation details, compare and contrast to ASP.NET, and explore the various aspects and features of Asp.NET MVC and how to use them to create stable, extensible, testable web applications. We'll build a very simple sample application to become familiar with the framework. By the end of this seminar you should feel comfortable enough with ASP.NET MVC 2 to sit down and start implementing basic applications of your own.

**Title: Asp.NET MVC 2 Development – Part 2 – Implementing a real-world app in 60 min.** This session is intended for intermediate to senior developers, those with experience in ASP.NET MVC 1, and/or those who attended Part 1 of this 2 part series. In part 2 of this presentation we'll build on the knowledge presented in Part 1 to demonstrate how stable, functional applications can be developed in very little time using ASP.NET MVC. In 60 minutes, we'll implement a functional real-world application using ASP.NET MVC, jQuery, CodeSmith, and other readily available libraries and tools. This will be an intensive coding session in which as much code as possible will be written live. We'll go through the entire application development process starting from the basic idea, exploring the architecture and data model, and implementing it using as many best practices as possible with the time slot allowed. The full source code of this application will be made available to participants after the conference.

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**Edwin Ames - If Software Modules Were People.** We'll take a whimsical look at good design and run into a few design patterns along the way. Many people are teaching good software design practices; and the community has come up with different ways to remember them, such as S.O.L.I.D. The problem with many, including S.O.L.I.D. is that they're too academic. We'll take a different tack and relate characteristics of good quality software to personality traits. You might not want to live around such people, but you will remember them. Since this is Code Camp, expect examples. Since I'm a C# MVP, expect them in C#. By day, Ned develops software for his employer, Yellow Book USA. After hours he tinkers with software and works on articles and presentations for the community. He also offers custom software development through his PA company, Purposeful Solutions, Inc.

**Stephen Sarafian** - a software engineer who has been working with .NET and before that C++ and other technologies for the past 15 years. Much of the work that I have done has specialized in Digital Imaging applications and Microsoft Office automation.

**A Quick Guide to Internationalization and Localization of .NET Applications** This presentation is a guide for how to Internationalize and Localize a .NET application. To start I will describe what internationalization and localization are, and how they can be implemented in .NET. I will then take a small sample application and go through the whole process of internationalizing it, and then localizing it for several languages. In doing so, I will demonstrate what needs to be done, the tools Microsoft provides for this, and give tips for how to make the transition smoothly. I'll also show some tricks for internationalizing property names, data bindings, and xml configuration files.

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**Carl Bergenhem** is a Developer Support Specialist at Telerik where he works with their ASP.NET Ajax, Silverlight, and WPF controls as well as their Reporting, OpenAccess ORM, JustCode, and WebUI Test Studio tools. Among these products he specializes mostly in the ASP.NET Ajax and WebUI Test Studio products. Telerik is a provider of development tools and user interface components for the .NET framework and they strive to provide developers with the tools to make their developing life as easy as possible. *Title: Introduction (and beyond) to Silverlight. Description:* A lot of people have heard of Silverlight and know about some features (especially with the push for Silverlight 4) but there are still many developers out there whom have not started or attempted to develop a Silverlight application. This presentation will go over important information for anyone starting out with a Silverlight application, as well as look into how to create a small data-driven application with Silverlight.

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**Matt Van Horn** is a Consultant with Services group at Infragistics, a world leader in user interface (UI) development tools and experts in the User Experience (UX) market. In his current role, Matt is responsible for working with our customers to develop innovative applications. Matt, a seasoned developer with proficiencies in a wide-array of programming languages and platforms, focuses on creating flexible and dynamic code tailored to the specific needs of customers. Matt is an experienced presenter, regularly speaking at Usergroup meetings and Code Camps. Matt has produced unique and innovative solutions to add complete transparency to the casino gaming process. These solutions are relied upon by both small regional land casinos as well as the on-sea casinos from some of the world's largest cruise lines. Unlike many developers who all too often develop more specs than applications (and more questions than answers), Matt uses his unique style of rapid development to produce tangible results alongside the people who will utilize the completed system. In this manner, Matt feels that it is possible to guarantee both system performance and client satisfaction. This dedication to client satisfaction has taken Matt on-site to projects in Nicaragua, France, and across the Atlantic Ocean.

**Data Binding in Silverlight** - Walkthrough on data binding for Silverlight in Expression Blend 3 covering DataContext and how to make good use of it. Understanding templates and binding data within them will be covered as well. In addition, I will cover understanding how and when data bound items will

## SPEAKER BIOS AND SESSION ABSTRACT - 3<sup>rd</sup> Hartford CodeCamp – June 19<sup>th</sup> 2010 Saturday

change or have changes made to them interact with the object they are bound to as well as how to control that in your code.

**Visualize Data with Silverlight** - No code or tool usage knowledge required!!!! This presentation is all about what you can accomplish with Silverlight as a Data Visualization platform. I will present several compelling techniques to address using visualizations to make complex business information come to life. Also we will compare how to accomplish these tasks with ASP.NET vs Silverlight and identify how Silverlight will help complex DV projects much simpler.

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**Joshua Kirchmeier** I am a technology consultant at BlumShapiro Consulting in West Hartford. We work primarily with the Microsoft Stack with an emphasis on Business Intelligence, SharePoint and Custom Solutions for the middle market. I am a certified SharePoint developer and have been working with the product for the last 2 years providing architectural decisions and writing custom software.

SharePoint 2010 Workflow enhancements

- Continuum between Visio, SharePoint Designer and Visual Studio
- Enhancements with SharePoint 2010 and Visual Studio regarding
  - Initiation Forms
  - Association Forms
  - Content Types
  - Application Pages
- Debugging and Deploying with Visual Studio 2010

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**Bill Wilder** - I am a .NET-focused enterprise architect by day, and I run the Boston Azure user group in my spare time. Here is a more general bio: <http://blog.codingoutloud.com/about/>.

1. Azure Demystified - What is Cloud Computing? What is Windows Azure? and Why should we care?
2. Two Roles and a Queue - The most important design pattern for Windows Azure Cloud apps

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**Mike Linnetz - Acsys Interactive ([www.acsysinteractive.com](http://www.acsysinteractive.com))**, Director of Technology and Applications

Mike has 10+ years experience with implementing interactive web applications on various platforms (e.g., ASP.NET, Java, JavaScript, CMSs, SQL Server, Oracle). Mike's role at Acsys takes him through all

aspects of the development life-cycle, including strategy and discovery, business requirements, functional requirements, information architecture and wireframes, technical design, development, test case development, test script development, and long-term maintenance.

**Presentation Title: JQuery For Beginners** Description: A practical introduction to using JQuery as a browser-independent alternative to traditional javascript, flash, or other UI technologies. Audience: Those new to JQuery who have had very little experience and wish to learn basic concepts, tips, and tricks.

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**Slava Kokaev** - BI/.NET Developer and Boston Microsoft Business Intelligence User Group Leader specializing on Design and Development of Business Intelligence Systems, Custom BI Web Applications and BI Integration. **MS Business Intelligence Fundamentals: Developing OLAP Cube in SSAS 2008 R2** This session focuses on the OLAP functionality of SSAS, exploring the process of developing basic SSAS cubes and dimensions. You will learn how to extend the Unified Dimensional Model (UDM) with KPIs, actions, translations, and perspectives. And finally process and deploy SSAS database and objects into MS SQL Server 2008.

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**Benjamin Day** is a consultant and trainer specializing in software development best practices using Microsoft's development tools, Team Foundation Server, and Scrum. He is a Microsoft Visual Studio ALM MVP and a member of the Visual Studio Team System Customer Advisory Council at Microsoft. Recently, Ben became one of the first certified trainers for the new Professional Scrum Developer course from Scrum.org. When not developing software, Ben likes to hang out with his wife and cats, play jazz piano, and geek out on all things food. He can be contacted via <http://www.benday.com> and <http://blog.benday.com>. **Beyond Basic Unit Testing: Mocks, Stubs, User Interfaces, and Refactoring for Testability** You're sold on unit testing. You're even doing "test first" development. How do your user interfaces fit into your testing plan? Do you even unit test your user interfaces? (Probably not.) What about calls into separate sub-systems or calls out to web services? Do you really need to have all those pieces running in order to test your logic? And what are mocks and stubs anyway? In this session, Ben will answer these questions, show you how to test your user interfaces, and also show you how using mocks objects and stubs can help simplify your tests.

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**Andrew Novick** is a SQL Server Developer and MVP in the Boston area with 25 years of database and application development experience. His consulting practice focuses on building applications, including software products, that use SQL Server's capabilities to the maximum. He has developed both OLTP and data warehouse databases with multi-terabytes scale. He has particular expertise in automating data management for such large databases. Other recent projects have included ETL, Security and SQL Injection prevention. Andy is the originator of the popular "SQL Server Loadfest" event conducted in Waltham, MA.

**SQL Azure – Database in the Cloud** SQL Azure is Microsoft's relational database offering in the cloud. While it's similar to SQL Server 2008 there are enough differences that it's important to understand

what you can and cannot do with SQL Azure. This presentation gets you comfortable with SQL Azure and understand how it can best be used.

**Developing and Testing SQL Server Databases with Visual Studio** 2010 Database development has been a hodgepodge of ad hoc techniques from the beginning. The Visual Studio Database Professional Edition, a.k.a The Data Dude, gives us a new tool for developing and testing databases. Visual Studio 2010 is the third iteration of Data Dude technology and database development is no longer an exclusive product. It's now included in every Visual Studio edition from Professional on up. This presentation introduces database development with Visual Studio. This will demonstrate development of the schema, integration with source control, build processes, and development of Unit Tests. Testing databases has always been difficult and new techniques are now available to developers to build them and automate regression testing.

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**Sunil Kadimdiwan** is a Data Architect with an extensive record of successfully designing and implementing mission critical Database & Reporting solutions. He has deep knowledge of Microsoft BI technology platform with 20+ year's experience. He is a frequent speaker at code camps and user groups.

**Maps, sparklines and report part gallery with SSRS 2008 R2** - SSRS 2008 R2 has many exciting features. You can show your business data on Maps. Utilize sparklines, data bars and indicators to produce outstanding reports. Publish to a report gallery so that end-users can create reports in couple of easy steps. I will demo these and other enhancements.

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**Andrew Babiec** - Director of Software Technology, Tallan. **Better User Authentication and Authorization - Claims-Based Identity and Access Control** Do you have multiple user account databases scattered in your organization? Do you have issues supporting internal (AD) and external users (username/password) in your app? Do you need to support Single Sign-on across your apps? Do you need to support federated security? An explanation of claims-based identity and how it can help with user authentication and authorization in your web applications and services. Covers Active Directory Federation Services, Windows Identity Foundation, WS-Trust, SAML, Authorization Manager.

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**Dennis Perlot** joined Tymetrix in November of 2009 as Director of Product Development with a long history of experience in various industries. He has worked on computing platform from home made circuit boards to massive mainframes systems and just about everything in between. Prior to joining TyMetrix, Dennis architected and managed numerous projects for many companies in the greater Hartford, CT area. Dennis enjoys his role as a technology evangelist, leverages his teaching skills and his engineering background. He is a frequent speaker at Code Camp events and has presented at the Microsoft Research Center in Cambridge, MA adjacent to MIT. He is a firm believer in the value of developing the technical community through users groups being on the Board of Directors for the CT Dot NET User Group and co-founder of the New England Silverlight Guild.

**“Building Applications in Silverlight 4”**

- Silverlight statistics
  - Visual Studio 2010 and .NET 4
  - Introduction to XAML
  - Style and Data Templates
  - Using Silverlight Business applications template
  - Printing and Clipboard support
  - Q and A
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**Max Weber** - Senior Consultant - Tallan, Inc. **Data Development with WCF Data Services and Entity Framework 4.**

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**John Baird** began his computer programming career while in the US Navy. In 1982, he helped form and direct the first PC-based computer processing department for training and manpower in the Department of Defense. After leaving the military in 1988, John began a varied career as a consultant developing business applications ranging from computer-based training to vertical market software for resellers. Session: **Windows Phone 7 Development with Silverlight:** Developing software for the new Windows 7 Phone Series. We will discuss the platform, the tools, and associated technology. In this session we will look at how to use the platform API's to build an application. We will look at the accelerometer, locations, voice and mike input. We will touch on the pitfalls and omissions in v1 and how to work around them. We will then take a tour of the concept of watchers & choosers and finally we will build a sample app using Silverlight for the phone.

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**Justin Kohlhepp** -Application Architect with The Hartford Financials Services Group. I have been a developer, team lead, and architect on several .NET development projects at that company over the past 5 years. I have been involved with the .NET technology stack since version 1.1 and have worked in the software industry for over 10 years.

The basic topic would be using mocking techniques in automated unit tests. A working title might be "**Using Mocking in TDD**" or "Making a Mockery of TDD" if you wanted to be more lighthearted. :-)

This is a quick stab at what the outline would look like:

- What is mocking?
- Demo of a hand crafted mock

- Terminology: Difference between Mocks, Stubs, and Fakes
  - Why use mocking?
  - Importance of isolation in unit tests
  - Demo of mocking using the moq framework
  - Design considerations with mocking
  - Refactoring code to allow for mocking
  - Using dependency injection techniques and frameworks to enable mocking
  - Demo of a dependency injection framework (such as MS Unity, StructureMap, Castle Windsor - I would pick one)
  - Mocking Dos and Don'ts
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**Rick Minerich** is an MVP for the F# programming language. His goal is to demonstrate how functional programming can make your life easier. Talk: **Love the Lambda (C# and F#)**

Level: Intermediate level for C# and **introductory level for F#.**

In this talk, I'll walk you through the wonders of C# lambda expressions and show you how this translates directly into functional programming in F#.

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**Geoff Varosky** (MCP, MCTS) is a Senior Solutions Developer for Grace-Hunt, LLC (<http://www.grace-hunt.com>), a Microsoft Gold Partner focusing on SharePoint and Dynamics Solutions based out of Hudson, MA. He has been architecting and developing web based applications for over a decade, and has been working with SharePoint Technologies for the past 6 years. Geoff is an active member of the SharePoint community, and speaks regularly at SharePoint events and user groups, and maintains a blog on SharePoint at <http://www.geoffvarosky.com>. **What's New For Developers in SharePoint 2010** SharePoint 2010 offers developers a unique and well deserved set of tools to aid in the development of SharePoint 2010 solutions. In this session we'll cover improvements in the UI and the toolsets themselves, from PowerShell as a powerful scripting interface to the API, the Developer Dashboard, the SharePoint Toolkit in Visual Studio 2010, and more.

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**Stuart Jones -Dependency injection + aspect oriented programming.** As the software industry matures, we are all discovering just how hard code re-use and long-term maintenance of the code base can be. This talk will look at two recent programming paradigms that lower development cost in designing and maintaining software. Inversion of Control is a set of principles that supports better re-use and maintenance of code through loose coupling of software components. Aspect Oriented Programming

separates common logic required in all layers of the software architecture into abstract concerns, thereby lessening the concerns of your business logic and simplifying the code base. We will examine how both techniques can be implemented using Castle Windsor, although once you understand the principles explained, you will be able to employ them using Spring.Net, Enterprise Library, StructureMap or a host of other software frameworks.

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**Mike Bluestein - MonoTouch.** I am the author of the upcoming book "Programming MonoTouch," published by Addison Wesley, due out later this year. I have been an active participant in the MonoTouch community since the first day of the beta and have several apps published in the app store that are built using MonoTouch. I also write about it regularly on my blog [mikebluestein.wordpress.com](http://mikebluestein.wordpress.com). Formerly a Principal Software Engineer with Dassault Systèmes, I now write software locally for Eastpoint Systems in East Hartford, CT.

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**Johnson (John) M. Hart** is a Boston-based consultant specializing in Microsoft Windows and .NET application development, open systems computing, technical training and writing, and software engineering. He has over 25 years experience as a software engineer, manager, engineering director, and architect at Cilk Arts, Inc. (now part of Intel), Sierra Atlantic, HP, and Apollo Computer. He served as computer science professor at the University of Kentucky for nine years and has authored all four editions of Windows System Programming.

### **Sequential File Processing: A Fast Path from Native Code to .NET with Visits to Parallelism and Memory Mapped Files"**

**Abstract:** How can we make sequential file processing of large files fast? This may be boring, but it is still essential in any number of application areas, including pattern searching, compression, encryption, hashing, and deduplication,. The summary results (backed up with code, graphs of test results, and live demos) is: Many sequential file processing problems are instances of simple patters that are amenable to parallelism. .NET code is faster than native Windows code, even for simple file stream processing.

- Memory mapped files and threading are not sufficient by themselves for significant performance enhancement.
- The combination of MMFs and threading yield very good performance (x3 other implementations) in some common circumstances (described) and are as good as file stream performance in all tested circumstances.
- 64-bit muti-CPU systems are essential for top performance, especially with large files.
- The .NET 4.0 MemoryMappedFiles class is not useful; mixed managed and native code is necessary for best results

- The .NET asynchronous programming model was not useful for the applications used in this paper. APM may be very useful in other situations.
- The best implementation can be further enhanced with some simple manual code optimization and tuning.
- These results apply to Windows Vista and Window 7 (both NT Kernel 6.x based). Windows XP and Windows Server 2003 give somewhat different results (available based on interest)

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**John Zablocki** is the Development Lead at MagazineRadar, an information services company supporting the publishing industry. He is also an adjunct professor at Fairfield University in the Dolan School of Business. John holds an M.S. in Computer Science from Rensselaer, where he became an enthusiast of open source technologies. Online, John can be found at <http://www.codevoyeur.com> or <http://dllhell.NET>. Offline, he can be found too infrequently with his dog, daughter and his Martin acoustic. **EXTENDING ASP.NET MVC WITH MVCONTRIB AND CUSTOM CODE** - ASP.NET MVC provides a powerful extensibility model. Developers are provided with hooks for plugging in custom controller factories, action filters and view engines. Creating HtmlHelper extensions allows complex HTML and JavaScript to be encapsulated. This intermediate presentation will cover pieces of the MVContrib project and demonstrate how to create custom controller factories, action filters and HtmlHelper extensions.

**Building .NET Applications with MongoDB** The NoSQL movement has been gaining popularity in recent years. Building highly scalable applications without a relational database is now a viable option across several mainstream platforms. This presentation introduces the open source, document-oriented database MongoDB. MongoDB runs on Windows and several .NET drivers exist for MongoDB. This discussion will cover the basics of working with MongoDB, including CRUD operations. An overview of the various .NET drives will be provided, with focus on mongodb-csharp. Basic .NET usage patterns will also be covered.

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**Steve St. Jean - TFS Basic - Moving from VSS to TFS 2010** For years we've worked with Visual SourceSafe because it was "free" from Microsoft. We learned to avoid Branching because we couldn't do Merges, to question our Get based on labels and to love the "2GB auto-corrupt" feature. Well those days are over. With the advent of Team Foundation Server 2010, we now get a version of TFS that is appropriate for small teams without sacrificing features, stability and expandability. This session will show a "TFS Basic" configuration and how to migrate from VSS into TFS. We will discuss the different migration strategies and show the features that make this a compelling toolset for small (and growing) teams.

**Avoiding "No Repro" bugs with Visual Studio 2010**

This session will introduce the VS 2010 tools to avoid "No Repro" situations. These include IntelliTrace, the DVR of debuggers, to make debugging sessions more productive; Lab Management, to allow devs to see bugs in a breaking environment; and Rich Bugs in TFS that give the dev everything they need to find and fix bugs.

**Lou Sapia - SQL Server Integration Services (SSIS).** Recently, I put together a document to introduce and demonstrate SSIS by importing a flat file source over to SQL Server. I would appreciate the opportunity to do this for those new to SSIS. If you need more advance material I can do that as well. I've been a SQL Server and ASP.NET developer for about 7 years now. SQL Server even longer. I've been working with SSIS and SSRS extensively this last year and would like to share what I've learned.

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**Igor Moochnick** MCT, MCPD, MCTS IgorShare Consulting | <http://www.igorshare.com> **Practical ALM: expanding testing horizons with VS2010 / TFS2010**

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**Chris Bowen** Principal Developer Evangelist at Microsoft Corp. **Parallel Programming with .NET 4 and Visual Studio 2010**