

Greater Atlanta Software Symposium 2006

Crowne Plaza Marietta - Marietta, GA

October 06 - 08, 2006

(session listing as of 10/8/2006)

Friday, October 6, 2006						
	Roberts II	Roberts III	Victor	Meaghan	Chris	Darci
12:00 - 1:00 PM	REGISTRATION					
1:00 - 1:15 PM	WELCOME					
1:15 - 2:45 PM	Clean Up Your Code: 10 Java Coding Tricks, Techniques, and Philosophies Neal Ford	JavaServer Faces: A Whirlwind Tour David Geary	Ajax Architecture Stuart Halloway	Applied REST Brian Sletten	What's New in Spring 2 Bruce Tate	Creating, Telling, and Tracking User Stories David Hussman
2:45 - 3:15 PM	BREAK					
3:15 - 4:45 PM	The Productive Programmer Neal Ford	JSF: State of the Art David Geary	JavaScript for Ajax Programmers Stuart Halloway	NetKernel: XML Processing for the 21st Century Brian Sletten	Effective Hibernate Scott Leberknight	#Show Me the Numbers# - Agile Planning Tools and Techniques David Hussman
4:45 - 5:00 PM	BREAK					
5:00 - 6:30 PM	Ruby for Java Developers Neal Ford	Shale: Turbo-charge your JSF Apps David Geary	Prototype: Ajax and JavaScript++ Stuart Halloway	Applied AOP Brian Sletten	Spring/Hibernate Integration Basics Scott Leberknight	Ready, Set, Agile? David Hussman
6:30 - 7:15 PM	DINNER					
7:15 - 8:00 PM	KEYNOTE					

Saturday, October 7, 2006						
	Roberts II	Roberts III	Victor	Meaghan	Chris	Darci
8:00 - 9:00 AM	BREAKFAST					
9:00 - 10:30 AM	Spring Dependency Injection Stuart Halloway	Ajaxian Faces David Geary	Testing with Selenium Neal Ford	Groovy for Java Programmers Venkat Subramaniam	Applied Object-Oriented Metrics Brian Sletten	Where Agile meets Argyle: New processes in established companies Bruce Tate
10:30 - 11:00 AM	BREAK					
11:00 - 12:30 PM	Spring Security with ACEGI Stuart Halloway	The Google Web Toolkit David Geary	Three Technologies to Watch Bruce Tate	Get Groovier with Grails Venkat Subramaniam	Creating Polished Swing Applications Scott Delap	Automating Business Value with FIT and FitNesse David Hussman
12:30 - 1:30 PM	LUNCH					
1:30 - 3:00 PM	Effective Teams: The dirty little secret Bruce Tate	SOA for Developers Burr Sutter	JRuby Stuart Halloway	5 Minutes Forms with JGoodies Binding and Validation Scott Delap	Spring/Hibernate Integration Patterns, Idioms, and Pitfalls Scott Leberknight	Losing Battles and Winning Wars: Adopting Agile David Hussman
3:00 - 3:15 PM	BREAK					
3:15 - 4:45 PM	Java/Ruby Integration with JRuby and ReST Bruce Tate	Real World Web Services Scott Davis	Spring AOP Stuart Halloway	Introducing the Eclipse Rich Client Platform Scott Delap	TDD/BDD and EAI: Unit Tests in a Middleware Tool Rebecca Parsons	Practices of an Agile Developer Venkat Subramaniam
4:45 - 5:30 PM	BIRDS OF A FEATHER					

Sunday, October 8, 2006						
	Roberts II	Roberts III	Victor	Meaghan	Chris	Darci
8:00 - 9:00 AM	BREAKFAST					
9:00 - 10:30 AM	Groovy: Greasing the Wheels of Java Scott Davis	Open Source Tools for Agile Development Venkat Subramaniam	Enterprise Architecture and Agile: They Aren't Mutually Exclusive Rebecca Parsons	Spring Web Flow Jumpstart Ben Hale	Introduction to Tapestry Neal Ford	Capistrano: Application Deployment and More David Bock
10:30 - 11:00 AM	BREAK					
11:00 - 12:30 PM	Continuous Testing Paul Duvall	Working with Rules Engines Venkat Subramaniam	Web Application Security Vulnerabilities Neal Ford	Spring XML Namespaces for Fun and Profit Ben Hale	Get Rich Now - Selecting the Appropriate Client Technology Vladimir Vivien	Easing into Agile Scott Davis
12:30 - 1:15 PM	LUNCH					
1:15 - 2:00 PM	EXPERT PANEL DISCUSSION					
2:00 - 3:30 PM	Applied Design Patterns Brian Sletten	Refactoring your code - a key step in agility Venkat Subramaniam	Pragmatic Extreme Programming Part 1: Planning & Design Neal Ford	Developing Manageable Component-Based Systems with JMX and Spring Vladimir Vivien	Holistic Testing Scott Davis	Continuous Integration using CruiseControl and Subversion Paul Duvall
3:30 - 3:45 PM	BREAK					
3:45 - 5:15 PM	Introducing the Semantic Web Brian Sletten	Programming with Mock objects Venkat Subramaniam	Pragmatic Extreme Programming Part 2: Architecture, Coding, and Testing Neal Ford	OO Domain Modeling Strategies David Bock	Rolling Your Own Google Maps, part I Scott Davis	Continuous Database Integration Paul Duvall

Greater Atlanta Software Symposium 2006

Crowne Plaza Marietta - Marietta, GA

October 06 - 08, 2006

(session listing as of 10/8/2006)

Spring Web Flow Jumpstart by Ben Hale

One of the new projects under the Spring umbrella is Spring Web Flow. Spring Web Flow is a framework for declaratively modeling web application user interactions. In this session, you'll get a quick primer on the business case for using Spring Web Flow and then we'll jump right in to a live coding session showing its use.

Spring XML Namespaces for Fun and Profit by Ben Hale

Spring 2.0 introduces the new concept of XML-based configuration namespaces. These namespaces allow you to define domain specific languages for configuring your applications. This session will walk through the business case behind these namespaces as well as note Spring's own use of this system to simplify common configuration tasks. The session will finish with a live coding example of how to implement an XML namespace for your own application. This will include XML Schema definition, parser implementation, and packaging in a jar file for use by consumers.

Applied AOP by Brian Sletten

Most people new to Aspect-Oriented Programming (AOP) are fed up with separation of concerns zealots explaining how great their techniques are at dealing with... logging. Ok, you get it. Logging is a cross-cutting concern that can be appropriately modularized. What else does AOP have to offer? A lot, it turns out. This talk will give an introduction to the motivations of AOP as well as a series of concrete examples drawn from enterprise and client side Java. Come learn how AspectJ-flavored AOP can begin to benefit you immediately either in development or production environments. Learn how to enforce architectural policies, find Swing threading issues, reduce the invasiveness of the Observer design pattern or even improve the reusability of your domain models.

Applied Design Patterns by Brian Sletten

Just about every modern software developer has a copy of the Gang of Four "Design Patterns" book sitting on a shelf; many of them have actually read it. The dark secret of the patterns community is that there is often a large gulf between whiteboard simplicity and real-world complexity. Language choice plays a part in the design (and even importance) of patterns. The situation is made even more confusing by the fact that many of the core patterns have now been "voted off the island" for one reason or another. This talk will give a pragmatic overview of the motivations behind design patterns and will focus on applying a handful of the GOF patterns to example scenarios in Java, Ruby and C#. A quick introduction to the role AOP plays in changing the patterns landscape will also be covered.

Applied Object-Oriented Metrics by Brian Sletten

Object-oriented code metrics are a little like Artificial Intelligence: those who did it twenty years ago roll their eyes at the thought and prophesy the same ultimate failure at applicability now. Those who grew up with Java are approaching the topic with new eyes and are finding useful ways of incorporating metrics into their projects. Come hear about tools and ways to measure properties of software, how they might be beneficial and where you are likely to go astray with this approach.

Applied REST by Brian Sletten

REST sounds like such a simple thing. But, what is it really? How do you convince your boss to let you try it when she has been sold on the equation $SOAP = SOA + P(rofit)$? How do you go about building, deploying, publishing and orchestrating web services without the (Un)Holy Trinity of SOAP, WSDL and UDDI?

Introducing the Semantic Web by Brian Sletten

Just as the world is feeling comfortable with the Web, Tim Berners-Lee et al inform us that what we have seen so far is just the beginning. His original plans at CERN were larger and grander. The Semantic Web is the new vision of machine-processable documents and metadata to improve search, knowledge discovery and data integration and management. While there are many naysayers chiding such grand visions, there are also pragmatic and useful technologies emerging that can be applied today.

NetKernel : XML Processing for the 21st Century by Brian Sletten

A wise man once said, "XML is like lye. It is very useful, but humans shouldn't touch it." If you've had to incorporate XML into your project by hand, you have probably been burned by getting too close. NetKernel turns this wisdom on its head and encourages you to use XML like the liquid data stream you want it to be.

Imagine the simplicity of REST married to the power of Unix pipes. Come see how this open source / commercial product built on a compelling modern architecture can be used to create, manipulate and transform XML.

Effective Teams: The dirty little secret by Bruce Tate

Most conferences will try to tell you that the secret to good software development lies with a process, or a technology, or an architecture. Here's a dirty little secret. You can build working software with an outdated two tier architecture, a waterfall process and COBOL. How? By building a great team.

Java/Ruby Integration with JRuby and ReST by Bruce Tate

You can have rapid web development with Rails without losing access to your critical Java code. With the explosion of the Ruby programming language, more developers will need a strategy for letting Java and Ruby interoperate. This session explores two strategies: JRuby and Rails-based web services.

Three Technologies to Watch by Bruce Tate

The state of the art is progressing rapidly, and dynamic languages are driving the revolution. Find out about these topics that will be central to programming. We'll discuss continuation servers, metaprogramming frameworks and functional languages.

What's New in Spring 2 by Bruce Tate

In this session, we'll review the new features of Spring 2.0. If you've been using Spring 1.x, you'll want to hear about the improvements.

Where Agile meets Argyle: New processes in established companies by Bruce Tate

Agile programming is a collection of core principles and techniques that allow software developers to create lighter, more responsive applications, and to have fun doing it. Many established organizations are either openly or sub-consciously hostile to many of the principles of Agile development.

SOA for Developers by Burr Sutter

The focus of this session will be to demonstrate innovative open source technologies and give you an insight into the skills, tools and techniques for SOA-enabling your enterprise architecture.

Capistrano: Application Deployment and More by David Bock

Capistrano (formerly Switchtower) is a tool originally written to help automate application deployment for Ruby on Rails. It does this well, but it has grown up into a tool capable of much, much more. It can be used for deploying Java applications, updating server configurations across an enterprise, administering networks, backing up files, and all sorts of other activities. Any activity you might do from the command line, you can now do simultaneously across large numbers of machines, with all machines succeeding (or rolling back in case of failure) together.

OO Domain Modeling Strategies by David Bock

A well-designed domain model is the best foundation any application can have. Unfortunately, many models grow like weeds in a garden, driven more by the needs of a relational database than the needs of the business model. It doesn't have to be this way - we can build a solid domain model that can survive change and withstand several different mechanisms for persistence.

Ajaxian Faces by David Geary

JavaServer Faces is a perfect platform for implementing Web 2.0 interfaces with Ajax. This session explores how you can use these two potent technologies--JSF and Ajax--together to create applications that look and behave like desktop applications but run in the browser.

JSF: State of the Art by David Geary

In 2005, JSF hit its stride, as evidenced from overwhelming support from both vendors and the open-source community. JSF 1.0 had plenty of holes, but open-source projects have arisen to address those needs. This session takes a look at three of those projects:

- Tomahawk (MyFaces component library)
- Facelets
- Seam

JavaServer Faces: A Whirlwind Tour by David Geary

JavaServer Faces (JSF) has arrived. The standard Java-based web application framework based on Struts, JSF really took off in 2005. Embraced by developers, vendors, and open-source projects, JSF has started to hit its stride. If you haven't come up to speed on JSF basics, this is the place to start.

Shale: Turbo-charge your JSF Apps by David Geary

JavaServer Faces is a well designed user interface framework, but it lacks a number of features you might otherwise expect out of the box; for example, JSF does not explicitly provide support for client-side validation. So, from the folks that brought you Struts, comes Shale, a collection of useful enhancements to JSF. A top-level Apache Software Foundation project, Shale adds some really cool features to vanilla JSF, including:

- Web flow: script dialog flow
- Remote Method Calls: easily call JavaBean methods from JavaScript
- Tapestry-like views: code views in pure HTML
- Use Apache Commons Validator validators on the client or server, or both
- JSF testing framework: mocks for easy JSF testing

 There's a lot of cool stuff in Shale that makes JSF a much more compelling proposition. Come see what it's all about.

The Google Web Toolkit by David Geary

Developing highly interactive web applications, for the most part requires knowledge of a wide array of technologies: HTML, CSS, JavaScript, XMLHttpRequest, JSP, JSF, etc. With the Google Web Toolkit (GWT), Google turns that notion of development on its head. Instead, you implement Ajax applications by writing almost entirely in Java. You use an AWT-like API, which the Google compiler compiles to JavaScript that runs on the client.

Automating Business Value with FIT and FitNesse by David Hussman

The presentation will briefly discuss stories, the origin and authoring of story tests, and a demonstration of how FIT and FitNesse (FIT living within a Wiki) can be used to automate acceptance tests.

Creating, Telling, and Tracking User Stories by David Hussman

The participants of this session will become agile customers and product owners, using personas to create stories for a sample product development.

Losing Battles and Winning Wars: Adopting Agile by David Hussman

Adopting agile is different for each company, but most companies will go through some amount of change during the adoption of agile.

Ready, Set, Agile? by David Hussman

As with many methodologies, moving agile into an organizations poses larger challenges. Before jumping in, it helps to ask a few questions before "racing toward agility". This session will provide 3 tactical steps that can help your adoption of agile.

#Show Me the Numbers# - Agile Planning Tools and Techniques by David Hussman

This session will focus on tools and techniques for tracking an agile project plan from creation to project completion.

Clean Up Your Code: 10 Java Coding Tricks, Techniques, and Philosophies by Neal Ford

This session delivers 10 techniques for improving your code, whether you are freshly graduated or a grizzled veteran.

Introduction to Tapestry by Neal Ford

This session delves into details about building web applications with Tapestry, covering configuration, templates, and separation of concerns.

Pragmatic Extreme Programming Part 1: Planning & Design by Neal Ford

This session begins a detailed discussion about how to actually get XP done in the real world (and what to tell your boss). This session includes artifacts (project tracking sheets, code coverage reports, etc.) from real XP projects.

Pragmatic Extreme Programming Part 2: Architecture, Coding, and Testing by Neal Ford

Continues the discussion from Part 1, focusing on how to keep the benefits of XP without sacrificing it's effectiveness. This session shows real artifacts of XP in action.

Ruby for Java Developers by Neal Ford

This session introduces Ruby, aimed specifically at Java developers.

Testing with Selenium by Neal Ford

This session describes the use and workings of Selenium, the open source web user interface testing tool.

The Productive Programmer by Neal Ford

This session shows you how to become a more productive programmer every day by using tools that you didn't know you already had.

Web Application Security Vulnerabilities by Neal Ford

This session highlights common mistakes made by web programmers, stating the problems and avoidance techniques.

Continuous Database Integration by Paul Duvall

Performing daily or continuous builds is essential for ensuring working software. Yet, most consider only the source, not the database, as a part of these builds. What's good for the source code is also good for your database.

Continuous Integration using CruiseControl and Subversion by Paul Duvall

Continuous Integration (CI) is the process of continually building and testing your software under development. It is identified as a core XP practice, although it works with many software development processes.

Continuous Testing by Paul Duvall

The key to improving the reliability of your software is to run tests whenever a change occurs. Continuous Testing leverages the practice of continuous integration (CI) to ensure highly reliable code.

Enterprise Architecture and Agile: They Aren't Mutually Exclusive by Rebecca Parsons

Agile development is often talked about in terms of small teams of developers creating massive amounts of code. Such scenarios strike fear into the hearts of "Enterprise Architects". This talk addresses the issues of how agile development and enterprise architecture can not only co-exist with but participate in an agile development effort.

TDD/BDD and EAI: Unit Tests in a Middleware Tool by Rebecca Parsons

There are many well known tools and approaches in the Java and C# world for unit testing and Test Driven Development or Behaviour Driven Development. Extending these concepts in the EAI world is more of a challenge.

Easing into Agile by Scott Davis

How do you get started with an Agile development methodology? Everyone has been talking about eXtreme Programming for years, but how do you get it introduced to your team? Many times, you're not simply transitioning from from one methodology to another -- you're introducing a methodology for the first time. Adding structure to a previously unstructured endeavor. Adding a touch of discipline where programmers once roamed free.

Groovy: Greasing the Wheels of Java by Scott Davis

This is the year of the dynamic scripting language. Ruby (and Rails) has won the hearts and minds of many independent software developers. JavaScript is experiencing a renaissance thanks to the wild success of AJAX and websites like Google Maps. And Groovy (JSR-241) brings the same level of excitement and "scripting goodness" to the Java platform.

Holistic Testing by Scott Davis

Mark Twain once said, "Everyone talks about the weather, but nobody does anything about it." Do you feel the same way about Unit Testing? Are you actively testing your code, or are you just thinking about testing your code... some day... once you get some more free time...

Real World Web Services by Scott Davis

In this talk, we'll survey the web services exposed by leading websites (Google, Yahoo, Amazon, eBay) and discuss how they are driving the AJAX revolution. You'll see examples of RESTful, SOAP, and JSON web services, as well as the strengths and weaknesses of each.

Rolling Your Own Google Maps, part I by Scott Davis

The release of Google Maps was a "Wizard of Oz / Technicolor" moment for web developers everywhere. It didn't just change the way we look at mapping sites; it forever changed the way we look at all web sites. It put AJAX on the map, both figuratively and literally.

5 Minutes Forms with JGoodies Binding and Validation by Scott Delap

Application developers often spend hours on the simple tasks of laying out a form, wiring components to objects, and validating the data entered. This is time that could be much better spend on the business problems your application is trying to solve. This session will show how to leverage open source libraries to take the work out of the form building process.

Creating Polished Swing Applications by Scott Delap

Too often, Swing applications are slow, ugly, and hard-to-maintain. It turns out that it doesn't have to be this way. Swing can be used to create highly-responsive, beautiful applications that are very maintainable. If this isn't consistent with your own experience, don't feel bad; its not very obvious how to make Swing sing.

Introducing the Eclipse Rich Client Platform by Scott Delap

Rich client application development using Java can be intimidating giving the vast flexibility in application design and structure. It also can be frustrating to create the large number of support services (persistence, menus, event and job frameworks) that a large scale rich client applications needs. The Eclipse Rich Client Platform is one project attempting to solve these issues by providing a core infrastructure that not only provides the day to day services a rich client application developer needs, but also providing a suggested path to guide you down the road of designing your application. This presentation introduces both the Eclipse RCP and the tools provided by the Eclipse IDE that assist developers in writing RCP apps.

Effective Hibernate by Scott Leberknight

Hibernate seems simple on the surface yet when you go beyond very simple use cases it can become much more complex. Intended for beginner to intermediate-level Hibernate developers, come see how to put Hibernate to effective use on your projects.

Spring/Hibernate Integration Basics by Scott Leberknight

Hibernate is a very popular Java transparent persistence framework, but you often need to create additional infrastructure to manage sessions, transactions, and lazy-loading in a clean and elegant manner. See how Spring can help.

Spring/Hibernate Integration Patterns, Idioms, and Pitfalls by Scott Leberknight

Using Spring's Hibernate integration significantly simplifies applications that use Hibernate for data persistence by removing tedious and repetitive infrastructural code that you need to write. Intended for developers familiar with Spring/Hibernate integration basics, who want to learn additional idioms and solutions to common problems.

Ajax Architecture by Stuart Halloway

Ajax applications have unique architectural challenges and opportunities. This presentation will show you how to take advantage of the Ajax's strengths, and work around its quirks.

JRuby by Stuart Halloway

JRuby is not one, but two great technologies: the Ruby language, and the Java Virtual Machine and libraries. In this talk you will learn the basics of programming JRuby, and how to integrate JRuby code into existing Java projects.

JavaScript for Ajax Programmers by Stuart Halloway

This presentation covers JavaScript from the perspective of an Ajax programmer. We assume that you may be using an Ajax toolkit, but still need to be able to read, modify, and test the JavaScript code in your application. You will learn the common idioms of JavaScript by looking at working code from the Ajax toolkits themselves.

Prototype: Ajax and JavaScript++ by Stuart Halloway

Learn to simplify Ajax development with Prototype through a series of real-world examples. Along the way, learn to code in Prototype's modern JavaScript style, taking advantage of Prototype's extensions to JavaScript's object model

Spring AOP by Stuart Halloway

Learn to use Spring AOP, aspect injection. and AspectJ integration

Spring Dependency Injection by Stuart Halloway

Dependency Injection (DI) is the cornerstone of Spring. The core concept is quite simple, but (surprise!)

actual practice can become complex. To take full advantage of Spring DI, you need to understand not only the basics on configuration, but also the container lifecycle model and the various hooks provided by the framework.

Spring Security with ACEGI by Stuart Halloway

Spring offers developers a simpler, more robust method for configuring applications. These benefits extend to security through the ACEGI framework. ACEGI makes the otherwise daunting task of securing your application logical and straightforward. More importantly, through its support for single sign-on provision through Yale's CAS system and its ability to provide instance-level authorization, Spring extends the common security model of most J2EE apps beyond what they are traditionally capable of.

Get Groovier with Grails by Venkat Subramaniam

Inspired by the Ruby on Rails project, Grails brings the ease of web development and "convention over configuration" to the Java platform. We will learn how to create web applications using Grails, how to integrate it with Hibernate, and how to Ajax it, all using the built in features of Grails. This section assumes that you are familiar with Groovy or you have attended the #Groovy for Java Programmers# session. The session will be example driven with live coding where we will build a web application from scratch.

Groovy for Java Programmers by Venkat Subramaniam

Object-oriented scripting languages, or agile dynamic languages, as some like to call those, are gaining programmers' attention. Groovy bring this excitement to the Java platform with its ability to generate byte code. You can use Groovy instead of Java for some parts of your application. By learning it, you can switch between the languages where you consider fit.

Open Source Tools for Agile Development by Venkat Subramaniam

As a Java developer, you have taken the time to learn the basics of the language and relevant parts of its rich API. However, you need more than that to develop serious industrial strength applications. In this presentation, the speaker will introduce you to a number of open source tools which you can use to improve your application quality and your development process.

Practices of an Agile Developer by Venkat Subramaniam

You have worked on software projects with varying degree of success. What were the reasons for the success of your last project? What were the reasons for those that failed? A number of issues contribute to project success - some non-technical in nature. In this presentation the speaker will share with you practices in a number of areas including coding, developer attitude, debugging, and feedback. The discussions are based on the book with the same title as the talk.

Programming with Mock objects by Venkat Subramaniam

You are convinced that Test Driven Development is good for you and your project. You realize the benefits it has to offer. What's holding you back? All the code and components that your code so heavily depends on is most likely making you wonder if TDD is really for you. We will start out by looking at dependency and dependency inversion. Then we will discuss how mock objects can help separate our code from its dependencies.

Refactoring your code - a key step in agility by Venkat Subramaniam

Refactoring is one of the core practices in Agile Software Development. Refactoring is based on some core principles that apply to more than writing good code. But, what's refactoring? Why should you do it? How do you go about doing that? What tools are available to successfully refactor your App?

Working with Rules Engines by Venkat Subramaniam

Rule based programming allows us to develop applications using declarative rules. These can simplify development in applications where such rules based knowledge is used for decision making.

Developing Manageable Component-Based Systems with JMX and Spring by Vladimir Vivien

JMX (or Java Management Extension) facilitates the manageability of components hosted in the VM. While JMX has been available to developers prior to the latest version of Java, it has now been added as a standard API to Java 5. This session provides techniques and best practices for developing your own managed components using JMX and the Spring Framework.

Get Rich Now - Selecting the Appropriate Client Technology by Vladimir Vivien

There is a new equilibrium shift taking place between server-hosted and client-hosted logic where more code being sent to the client for execution. Today Java developers have more view technology options available

than ever before including browser-based AJAX, Open Laszlo, Adobe Flex, Mozilla XUL and desktop-based Eclipse RCP and NetBeans Platform. This session explores these options to help you select the next one for your project.