Northern Virginia Software Symposium

Sheraton Reston
April 27 - 29, 2007
http://www.nofluffjuststuff.com/sh/2007-04-reston

Fri, Apr. 27, 2007						
	1	2	3	4	5	6
12:00 - 1:00 PM	REGISTRATION					
1:00 - 1:15 PM	WELCOME					
1:15 - 2:45 PM	Groovy: Greasing the Wheels of Java Scott Davis	Give it a REST Brian Sletten	Annotation Hammer Venkat Subramaniam	JavaServer Faces: A Whirlwind Tour David Geary	Intro to Java Persistence API (JPA) Mark Richards	Agile Immersion David Hussman
2:45 - 3:15 PM	BREAK					
3:15 - 4:45 PM	Groovy and Java: The Integration Story Scott Davis	NetKernel : XML Processing for the 21st Century Brian Sletten	Domain Driven Design Venkat Subramaniam	Killer JavaScript Frameworks: Prototype, Scriptaculous, and Rico David Geary	Advanced Java Persistence API (JPA) Mark Richards	Getting Agile Planning and Tracking Up and Running David Hussman
4:45 - 5:00 PM	BREAK					
5:00 - 6:30 PM	Real World Grails Scott Davis	Git 'R Done : Scheduling Work With Quartz Brian Sletten	OSGi: A Well Kept Secret Venkat Subramaniam	Ajaxian Faces David Geary	EJB3 Core Specification (JSR-220) Mark Richards	Executable Documentation David Hussman
6:30 - 7:15 PM	DINNER					
7:15 - 8:00 PM	Keynote: Scott Davis					

Sat, Apr. 28, 2007						
	1	2	3	4	5	6
8:00 - 9:00 AM	BREAKFAST					
9:00 - 10:30 AM	The Zen of REST Scott Davis	Implementing SOA Neal Ford	Spring 2.0: New and Noteworthy Ben Hale	RAD JSF with Seam, Facelets, and Ajax4jsf, Part One David Geary	Making The Right Persistence Framework Choice Mark Richards	Creating Agile Requirements David Hussman
10:30 - 11:00 AM	BREAK					
11:00 - 12:30 PM	Mocking Web Services Scott Davis	10 Ways to Improve Your Code Neal Ford	Spring into Groovy Venkat Subramaniam	RAD JSF with Seam, Facelets, and Ajax4jsf, Part Two David Geary	Acegi Security: The security framework with the funny name Ben Hale	Coaching and Leading Agile Projects David Hussman
12:30 - 1:30 PM	LUNCH					
1:30 - 3:00 PM	New Features in Java 5 Jason Hunter	Productive Programmer: Acceleration, Focus, and Indirection Neal Ford	Drooling with Groovy and Rules Venkat Subramaniam	The Google Web Toolkit, Part One David Geary	Abusing Maven For Fun and Profit : (Near) Zero-Admin Deployments Brian Sletten	Making Architecture Work Through Agility Mark Richards
3:00 - 3:15 PM	BREAK					
3:15 - 4:45 PM	Data Integration : Beyond Cutesy Mashups Brian Sletten	Productive Programmer: Automation and Canonicality Neal Ford	Spring/Hibernate Integration Patterns, Idioms, and Pitfalls Scott Leberknight	The Google Web Toolkit, Part Two David Geary	AOP and JMX: A match made in heaven Ben Hale	Distributed Teams: Remote Agility Jared Richardson
4:45 - 5:30 PM	BIRDS OF A FEATHER SESSIONS					

Sun, Apr. 29, 2007						
	1	2	3	4	5	6
8:00 - 9:00 AM	BREAKFAST					
9:00 - 10:30 AM	You are Hacked: Ten Strategies to Secure your Enterprise Java Web Applications Karthik Shyamsunder	Designing for Ajax Nathaniel Schutta	XQuery By Example: Building an Email Archive System Jason Hunter	Effective Hibernate Scott Leberknight	Introduction to JRuby Neal Ford	Introducing Agility to Large Organizations David Bock
10:30 - 11:00 AM	BREAK					
11:00 - 12:30 PM	Pragmatic Unit Testing with TestNG and EasyMock Howard Lewis Ship	Ajax Libraries Nathaniel Schutta	What's New in Java 6 Jason Hunter	Spring Web Flow Jumpstart Ben Hale	Rails for JRuby Neal Ford	Software Development Techniques Jared Richardson
12:30 - 1:15 PM	LUNCH					
1:15 - 2:15 PM	EXPERT PANEL DISCUSSION					
2:15 - 3:45 PM	Learning Tapestry 4 Howard Lewis Ship	Test Infecting the Legacy Organization Nathaniel Schutta	Web Publishing 2.0 Jason Hunter	Building DSLs in Java and Groovy Neal Ford	Internationalization and Localization in Java David Bock	Agile Software Testing Strategies Jared Richardson
3:45 - 4:00 PM	BREAK					
4:00 - 5:30 PM	Tapestry 5 Preview Howard Lewis Ship	Dynamic Languages and the JVM Nathaniel Schutta	Forgotten Web Algorithms Jason Hunter	Power Regular Expressions in Java Neal Ford	Maintaining Project Integrity with JDepend, Macker, PMD, Maven, and other open source tools David Bock	Build Teams, Not Products Jared Richardson

Friday, Apr. 27

12:00 - 1:00 PM : REGISTRATION

1:00 - 1:15 PM : WELCOME

1:15 - 2:45 PM - Sessions

Session #1 : 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.

Session #2 : Give it a REST by Brian Sletten

As developers, we sometimes get to make choices about the technologies we use, sometimes not. We base these decisions on personal experiences, recommendations from others and a general sense of where the industry is going. Web Services have been all the rage for several years now. We have been told time and again that we should be building systems around them; as an industry, we've never been more confused. Perhaps it is time to Give it a REST.

Session #3 : Annotation Hammer by Venkat Subramaniam

Annotation is an interesting feature in Java. However, like any features, there are good uses and bad uses. When should you use Annotation? This presentation will answer that question for you.

Session #4 : 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 2006. Embraced by developers, vendors, and open-source projects, JSF has hit its stride. If you haven't come up to speed on JSF basics, this is the place to start.

Session #5 : Intro to Java Persistence API (JPA) by Mark Richards

In addition to providing a simplified API, the new EJB3 specification (JSR-220) defines a standard ORM Java Persistence API (JPA) that is rapidly gaining in popularity. As you will see in this session, JPA bears a striking resemblance to popular ORM solutions like Hibernate and Toplink. In this session we will explore in detail the new Java Persistence API offered by JSR-220. We will start by discussing the overall design and architecture of the JPA and how the major components within JPA interact. We will then look at defining mapping objects (entities) and how to use the EntityManager to manage these entities. Through interactive coding examples we will investigate the pros and cons of detached entities and merging, how to map and use entity relationships (1-1, 1-N, N-1, and N-N), discuss Lazy Loading, and finally see how to use XML mappings rather than annotations. More advanced features of JPA will be covered in a separate session.

Session #6 : Agile Immersion by David Hussman

Have you heard about SCRUM or XP but never done it? If you want to give it a try, this session will allow you to participate in planning and executing several agile iterations. A working knowledge of either XP or SCRUM will be helpful but not mandatory.

2:45 - 3:15 PM : BREAK

3:15 - 4:45 PM - Sessions

Session #7 : Groovy and Java: The Integration Story by Scott Davis

I'm attracted to Groovy because of its spirit of inclusiveness. Because it extends my platform of choice, not replaces it -- include a single JAR in your classpath and you are Groovy-enabled. Because it offers full bidirectional integration with Java. Because it offers a nearly flat learning curve for experienced Java developers. Come see how you can use Groovy to augment your existing Java codebase.

Session #8 : 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.

Session #9 : Domain Driven Design by Venkat Subramaniam

Domain Driven Design (DDD) is an approach that places emphasis on the domain model and carrying it into implementation. DDD is mostly repackaging of fundamental OO Design. It brings new emphasis to what we should be already doing, but often find it hard and confusing given the realities and complexities of our real world. In this presentation we will take a close look at what DDD is and how to use it for agile development. We will discuss several design options, and also look at some examples of good modeling and layering.

Session #10 : Killer JavaScript Frameworks: Prototype, Scriptaculous, and Rico by David Geary

An introduction to the popular Prototype JavaScript framework, and two frameworks built on top of Prototype: Scriptaculous and Rico.

Session #11 : Advanced Java Persistence API (JPA) by Mark Richards

This session picks up where the Intro to JPA session left off and covers some of the more advanced topics in the Java Persistence API. Some of the topics covered in this session include switching persistence providers, versioning, compound keys, entity inheritance, handling both simple and complex stored procedures, and finally JPA Query Language (JPQL). Some knowledge of JPA is recommended for this session as I will not be covering the basics of JPA (that is covered in a separate Intro to JPA session). Through a

combination of slides and interactive coding I will demonstrate these advanced topics using both Hibernate and Toplink JPA.

Session #12 : Getting Agile Planning and Tracking Up and Running by David Hussman

If your company is using agile or thinking about it, this session will show you how to plan and tracking an agile project. Examples projects will be discussed, including the glory and horrors. Various planning tools that help distributed teams will be presented as well as a collection of lo-fi tools which truly help find and address the issue that plagues so many projects: #when are we going to complete this project#.

4:45 - 5:00 PM : BREAK

5:00 - 6:30 PM - Sessions

Session #13 : Real World Grails by Scott Davis

Scott Davis is the Editor in Chief of aboutGroovy.com. The website, in addition to being, umm, about Groovy, is implemented in Grails. This talk shows you how to get started with Grails, but also talks about the experience of using it in a live, production web site.

Session #14 : Git 'R Done : Scheduling Work With Quartz by Brian Sletten

Software engineers are usually familiar with the notion of scheduled tasks and cron jobs at the OS level. Quartz is a relatively new open source Java API for scheduling jobs in your applications or Enterprise.

Session #15 : OSGi: A Well Kept Secret by Venkat Subramaniam

In this presentation we will introduce OSGi and discuss how it can help modularize and version your enterprise Java applications.

Session #16 : 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.

Session #17 : EJB3 Core Specification (JSR-220) by Mark Richards

The new EJB 3 specification (JSR-220) offers some great improvements over the prior EJB specs in terms of development simplicity and new features. In this session we will discuss why EJB is still important, and explore in detail some of the new features of the core EJB 3 specification. Included in this session will be defining and accessing session beans, JTA transaction management, declarative security, and interceptors. For those of you who still like to code in XML, I will also discuss and show how we can use XML rather than annotations within EJB3. During the session I will demonstrate the new features of EJB 3 through interactive coding examples. Note: this session does not cover the new Java Persistence API (JPA) - that topic is covered in separate JPA sessions.

Session #18 : Executable Documentation by David Hussman

Why is so much documentation worthless? Wouldn#t is be nice if your documentation actually reflected what your system does? One way to do this is through is by creating #executable documentation. If you are struggling with ambiguous requirements, lack of contact with the business, or a chasm between development and testing, this session is for you.

6:30 - 7:15 PM : DINNER

Saturday, Apr. 28

8:00 - 9:00 AM : BREAKFAST

9:00 - 10:30 AM - Sessions

Session #19 : The Zen of REST by Scott Davis

Google quietly deprecated their SOAP search API at the end of 2006. While this doesn't mean that you should abandon SOAP, it does reflect a growing trend towards simpler dialects of web services. Google joins a number of popular websites (Yahoo, Flickr, YouTube, del.icio.us) that offer all of the benefits of web services without all of the complexity of SOAP.

Session #20 : Implementing SOA by Neal Ford

This talk avoids SOA hype and gets to the meat of the matter: how do you implement a Service-Oriented Architecture, what are the technological pitfalls, how do you test it, and what traps should you avoid. No marketecture: just implementation details.

Session #21 : Spring 2.0: New and Noteworthy by Ben Hale

Spring 2.0 has marked a major advance in the Spring Framework. While still maintaining backwards compatibility, this release adds quite a few new features. What are those features and how do they add value? Come by and see.

Session #22 : RAD JSF with Seam, Facelets, and Ajax4jsf, Part One by David Geary

In this session, see how you can get Ruby On Rails-like productivity on the Java side of the house with this compelling combination of technologies.

Session #23 : Making The Right Persistence Framework Choice by Mark Richards

Java Persistence has come a long way in the past 4 years. We have many viable options available now, including JPA, Hibernate, iBATIS, Toplink, and OpenJPA. With so many options available now it is difficult to know when to use which framework. In this session we will focus on native Hibernate, JPA, and the iBATIS framework, and discuss the main strengths and weaknesses of each approach

and what the decision criteria is for using each of these frameworks. Knowing that it is not a one-size-fits-all situation when it comes to Java Persistence, through interactive coding we will take a look at how to use iBATIS together with native Hibernate or JPA and when this makes sense. By attending this session you will gain the knowledge necessary to make informed decisions about which Java Persistence Framework to choose for your current or next Java-based application.

Session #24 : Creating Agile Requirements by David Hussman

Successful project communities balance written requirements with a healthy amount of discussion. This is at the core of requirements that could be deemed #agile#. Many agile projects choose to use user stories, but others may be using use cases or other forms of written requirements. This session is for anyone wanting to improve their requirements, including the creation of good requirement and the presentation styles that help people focus on creating great software products, and stop focusing on documents.

10:30 - 11:00 AM : BREAK

11:00 - 12:30 PM - Sessions

Session #25 : Mocking 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 can be easily mocked up for testing purposes and to aid offline development. You'll see working examples of RESTful, SOAP, and JSON web services, as well as strategies for unit and functional testing your asynchronous, service-oriented architecture.

Session #26 : 10 Ways to Improve Your Code by Neal Ford

No one writes perfect code, and every developer eventually falls into a slump where they just crank out the same code day after day. This session illustrates 10 different ways to improve your code, covering sacred cows, good citizens, smells, and more.

Session #27 : Spring into Groovy by Venkat Subramaniam

What do you get when you mix an agile, object-oriented, dynamic language with a lightweight, flexible, and extensible framework? You get a Groovier Spring. Spring allows you to develop using Groovy as much as Java. Groovy brings some neat concepts to the Java Platform that is hard to realize directly through the Java language. Using these capabilities can lead to elegant and easier Spring development.

Session #28 : RAD JSF with Seam, Facelets, and Ajax4jsf, Part Two by David Geary

A continuation of a 2-session presentation on Seam, Facelets, and Ajax4jsf.

Session #29 : Acegi Security: The security framework with the funny name by Ben Hale

Security is one of the major requirements in modern day enterprise applications and yet it is also one of the weakest parts of most developers toolboxes. The problem is of course that security is HARD! It turns out that rather than reinventing the wheel for each application, developers can turn to a great security framework out there already; Acegi.

Session #30 : Coaching and Leading Agile Projects by David Hussman

Is someone asking you to lead an agile project? There are many #how to be agile# books, but the coverage of skills and techniques for leading are a bit on the light side. Whether you are a manager, tech lead, or a non-stop inspiration for your fellow developers, this session will provide you with new insights into the how and whys associated with coaching / leading an agile project or an agile transition.

12:30 - 1:30 PM : LUNCH

1:30 - 3:00 PM - Sessions

Session #31 : New Features in Java 5 by Jason Hunter

The new Java 5 release introduces a number of significant Java language enhancements: generics, typesafe enums, autoboxing, an enhanced "for" loop, a static import facility, and a general-purpose metadata facility. This talk gives an overview of the changes and helps you understand what all the funny new syntax means.

Session #32 : Productive Programmer: Acceleration, Focus, and Indirection by Neal Ford

This session discusses how to use the Productive Programmer principles of acceleration, focus, and indirection to become a more productive programmer. This session describes these principles, but the primary focus of this session is demonstration of these principles with real-world examples.

Session #33 : Drooling with Groovy and Rules 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.

Session #34 : The Google Web Toolkit, Part One 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.

Session #35 : Abusing Maven For Fun and Profit : (Near) Zero-Admin Deployments by Brian Sletten

Ok, I can't promise you profit, but hopefully you'll have fun. Maven 2 introduces a number of new features (including that performance feature) that make it a swell project management tool for development. Come hear about how we can abuse Maven to manage

distributed deployment scenarios before the Modules JSR is done.

Session #36 : Making Architecture Work Through Agility by Mark Richards

As companies continue to change the way they do business, so must the IT systems that support the business. Changes due to regulatory requirements, competitive advantage, mergers, acquisitions, and industry trends require flexible IT systems to meet the demands of the business. Software Architects must therefore make their architectures more agile to meet the flexible demands of today's business. Through real-world examples and scenarios we will explore some of the challenges facing Software Architecture and discuss several concrete techniques for applying agility to both the architecture process and the technical architecture itself. We will also look at various architecture refactoring techniques, and discuss the pros and cons of each. By attending this session you will learn how to apply various agile techniques to improve your architectures and overcome some of the challenges facing software architecture in today's ever-changing market.

3:00 - 3:15 PM : BREAK

3:15 - 4:45 PM - Sessions

Session #37 : Data Integration : Beyond Cutesy Mashups by Brian Sletten

Ever since we started doing relational joins, we've looked for ways to tie data together. The web has given us no end of new data sources to integrate but it seems like the best we can come up with is locating Starbucks on Google Maps. The problem with browser-based mashups is that they don't survive the session, we have no way of referring to the results in future queries and ultimately we don't maintain ownership or control of the process. We want control of our data and our mashup results. We want ever more ways to view, explore and requery them in multi-faceted ways. We want our data integration strategies to be less Vanilla Ice "Under Pressure/Ice-Ice Baby" and more Nine Inch Nails "The Hand that Feeds" (trust me, it makes sense).

Session #38 : Productive Programmer: Automation and Canonicality by Neal Ford

This session discusses how to use the Productive Programmer principles of automation and canonicality to become a more productive programmer. This session describes these principles, but the primary focus of this session is demonstration of these principles with real-world examples.

Session #39 : 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.

Session #40 : The Google Web Toolkit, Part Two by David Geary

The second part of a 2-session presentation on the Google Web Toolkit.

Session #41 : AOP and JMX: A match made in heaven by Ben Hale

You're winding down project and you get that dreaded email from your project manager, "How hard would it be to add some performance monitoring to the system?" Well, after this session, you'll be able to respond, "No problem at all!" It turns out that with a pinch of AOP and a dash JMX, you can introduce amazing management and monitoring capabilities without changing you're mainline code one bit.

Session #42 : Distributed Teams: Remote Agility by Jared Richardson

How do you keep a team scattered across time zones in sync?

4:45 - 5:30 PM : BIRDS OF A FEATHER SESSIONS

Sunday, Apr. 29

8:00 - 9:00 AM : BREAKFAST

9:00 - 10:30 AM - Sessions

Session #43 : You are Hacked: Ten Strategies to Secure your Enterprise Java Web Applications by Karthik Shyamsunder

Hundreds of mission critical Enterprise Java Web applications are being developed and deployed worldwide. Many of these applications provide valuable functionalities for their legitimate users, but only a few of these applications can be considered truly secure. With the number of white collar crimes going up, the cost of a security attack on a company's web application/service could be detrimental.

Session #44 : Designing for Ajax by Nathaniel Schutta

So you've convinced the boss that your new web application just has to have Ajax...but now what? With dozens of libraries making even the most blinkish of interactions trivial, how do you decided where to sprinkle the magic Ajax dust? This talk will give a plain old boring "web 1.0" an Ajax facelift with a focus on improving the user experience providing you with a game plan for introducing Ajax to your world.

Session #45 : XQuery By Example: Building an Email Archive System by Jason Hunter

The classic searchable email archive system is cluged together -- a frankenstein monster combining a relational database with a search engine, with Java just barely able to keep the two together. In this talk we'll demonstrate how email is more content than data, how it's better encoded in XML rather than relational tables, and how Java can convert emails to XML and drive an XQuery backend to produce a simpler and more scalable email archive system.

Session #46 : 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.

Session #47 : Introduction to JRuby by Neal Ford
This session describes JRuby, the 100% pure-Java implementation of the Ruby programming language. It covers the basics of programming with JRuby and examples of how to integrate it into existing Java projects.

Session #48 : Introducing Agility to Large Organizations by David Bock
For several years, I was a member of a team of people caught in the middle of a 200+ person software development company, with senior management wanting "buzzword compliant process improvement" such as CMMI, and engineers wanting more ?agile? solutions (and people on both sides confusing Agile with ad-hoc). We were responsible for sorting it all out. Reconciling this was a herculean effort, and can be a source of lessons learned for your own process improvement efforts. Are you trying to be more agile in your organization? Are you expecting it to be harder than it needs to be because of political and bureaucratic forces beyond your control? Do you have to "educate" your senior management to protect them from buzzwords? Come learn from my successes... and mistakes.

10:30 - 11:00 AM : BREAK

11:00 - 12:30 PM - Sessions

Session #49 : Pragmatic Unit Testing with TestNG and EasyMock by Howard Lewis Ship
You've heard about unit testing but were daunted when it came time to put the pedal to the metal. That's because JUnit is just one tool and there's others you need to learn about, including the wonderful and wierd EasyMock and the easy and powerful TestNG.

Session #50 : Ajax Libraries by Nathaniel Schutta
Ajax might not be the most complex thing the average web developer has ever encountered but that doesn't mean building Ajax applications is without some quirks. While you can certainly use the raw technologies beneath Ajax or even roll your own framework, there are a number of well-designed open source libraries that you can take advantage of. After providing a quick survey of the field, this talk will feature live coding examples comparing and contrasting some of the more mature Ajax toolkits including Dojo, Prototype, script.aculo.us and YUI. We'll show you what these various libraries do and do not provide and give you some ideas about which ones make the most sense for your needs.

Session #51 : What's New in Java 6 by Jason Hunter
The Java 6 (Mustang) release should make your life easier, for a change. It doesn't alter the core language like Java 5 did. It doesn't pack in so many sub-JSRs that you'll be overwhelmed by the amount you have to learn. Instead Java 6 adds several handy things that honestly should have been added before. Among the improvements we'll cover in this fast-paced class: * A new Console class * A real Compiler API * A GIF writer * Pluggable Locale data * Access to disk partition size data * Array reallocation * Low-level floating point functions * Reflective access to parameter names * Access to network interface details * Pluggable annotation processing * Improved class file format * Streaming XML with StAX * A new Scripting interface

Session #52 : Spring Web Flow Jumpstart by Ben Hale
Have you ever developed a web application with a long user action based on form input? Did you curse the Java community for their inability to address this very common application type? Well, attend this session about Spring Web Flow and you'll curse no more.

Session #53 : Rails for JRuby by Neal Ford
This session explains all the hype surrounding Ruby on Rails, in a context familiar to Java developers. It covers convention over configuration, ActiveRecord, controllers, views, Ajax, scaffolding, testing, and deployment...on the JVM, using JRuby.

Session #54 : Software Development Techniques by Jared Richardson
Throughout our software careers we learn habits from our coworkers, from books we've read, and occasionally, from conferences we attend. Much of our competence comes from the tips and tricks we pick up as we go.

12:30 - 1:15 PM : LUNCH

1:15 - 2:15 PM : EXPERT PANEL DISCUSSION

2:15 - 3:45 PM - Sessions

Session #55 : Learning Tapestry 4 by Howard Lewis Ship
An introduction to the Apache Tapestry web application framework, which will explain the concepts and features of the framework with some simple applications. We'll discsuss Tapestry forms, request cycle, component object model. The use of several important components (including the powerful Table data grid) will be featured.

Session #56 : Test Infecting the Legacy Organization by Nathaniel Schutta
When starting a new project, most developers make sure that testing is a priority. However, only the lucky few live in the idyllic world of greenfield development; the vast majority of us must contend with code written when "test" was a four letter word and testing was the sole responsibility of that "other" organization. We'll examine some techniques for introducing testing - not just to your code but to the rest of your development organization.

Session #57 : Web Publishing 2.0 by Jason Hunter
If we're moving toward Web 2.0, what does that mean for online publishing? In this talk I'll answer that question. Based on my experience as Principal Technologist at Mark Logic working with dozens of the largest online publishers, I'll present a vision for how the

Web 2.0 concepts like personalization, collective intelligence, the long tail, and the importance of "owning the data" can and should reshape the face of online publishing -- and how XML, XQuery, and XML-aware text search act as the key enablers. I'll also introduce new Web Publishing 2.0 concepts like "Sweat the content" and "Give answers not links".

Session #58 : Building DSLs in Java and Groovy by Neal Ford

This session discusses building Domain Specific Languages and DSL-style code in Java and Groovy. It discusses the different types of DSLs, details on how to implement them in Java, Groovy, and Ruby, and example problem domains where DSLs make sense.

Session #59 : Internationalization and Localization in Java by David Bock

Internationalization and Localization in Java is easy, right? Everyone knows you just store your strings in some resource bundles, set the locale, wave your hands a little bit, and your application is good-to-go. Right? Maybe not... Java provides some great utilities to get started, but leaves you needing more when it comes to things like screen layout, cultural sensitivities, semantic differences in translation, use of color and iconography, and other issues.

Session #60 : Agile Software Testing Strategies by Jared Richardson

Creating and maintaining a solid automated test suite is critical to an Agile strategy, but often we're just told to "Do it." In this talk we'll look at several pragmatic strategies for creating and building your suite.

3:45 - 4:00 PM : BREAK

4:00 - 5:30 PM - Sessions

Session #61 : Tapestry 5 Preview by Howard Lewis Ship

Tapestry 5 is a complete rewrite of Tapestry from the ground up. It takes everything good about Tapestry and cranks the volume up to eleven, while removing the frustrating parts of using Tapestry. This session takes the wraps off this new and innovative technology, showing off important new features such as live class reloading (the ability to change your Java classes and continue using the application without interruption or redeployment), the simplified coding model, and the total lack of XML. This session is of interest to those already using Tapestry 4, and those new to Tapestry and ready to jump on the bandwagon.

Session #62 : Dynamic Languages and the JVM by Nathaniel Schutta

With all the attention being paid to Ruby and it's hip cousin Rails, many in the Java camp may be feeling like their party invitation is "lost in the mail". Fear not loyal Java lovers, the dynamic language meme is alive and well in your space! Between numerous JSRs and various languages, the JVM is becoming quite the dynamic disco. After an overview of what it means to be dynamic, this talk will look at JRuby, Groovy, and Rhino.

Session #63 : Forgotten Web Algorithms by Jason Hunter

In this talk I'll explain -- without any needless math or boring proofs -- several fun algorithms of interest to back-end web programmers. Each algorithm was selected because it's really practical, really interesting, or both. The algorithms aren't always the same but can include: public key cryptography, credit card checksum validation, TCP Slow Start, two's complement, priority queues, the XOR swap, and the Google MapReduce function for massively distributed calculation.

Session #64 : Power Regular Expressions in Java by Neal Ford

Regular expressions should be an integral part of every developer#s toolbox, but most don#t realize how important it is. Regular expressions have existed for decades, but many developers don't understand how to take full advantage of this powerful mechanism, either through command line tools and editors or in their development.

Session #65 : Maintaining Project Integrity with JDepend, Macker, PMD, Maven, and other open source tools by David Bock

How many times have you started a new project only to find that several months into it, you have a big ball of code you have to plod through to try to get anything done? How many times have you been the ?new guy? on an established project where it seems like the code grew more like weeds and brambles than a well-tended garden? With a few good structural guidelines and several tools to help analyze the code, we can keep our project from turning into that big ball of mud, and we can salvage a project that is already headed down that path.

Session #66 : Build Teams, Not Products by Jared Richardson

A great team builds great software, but how do you build a great team?