

Atlantic Northeast Software Symposium

Westin Princeton @ Forrestal Village

August 10 - 12, 2007

<http://www.nofluffjuststuff.com/sh/2007-08-princeton>
(event schedule as of August 11, 2007)

Fri, Aug. 10, 2007					
	Salon E	Salon B-C	Salon F-G	Salon A	Salon H
12:00 - 1:00 PM	REGISTRATION				
1:00 - 1:15 PM	WELCOME				
1:15 - 2:45 PM	Ajax Design and Architecture Glenn Vanderburg	Groovy: Greasing the Wheels of Java Scott Davis	Domain Driven Design Venkat Subramaniam	Give it a REST Brian Sletten	Distributed Teams: Remote Agility Jared Richardson
2:45 - 3:15 PM	BREAK				
3:15 - 4:45 PM	JavaScript Exposed: There's a Real Programming Language in There! (Part 1) Glenn Vanderburg	Groovy and Java: The Integration Story Scott Davis	Annotation Hammer Venkat Subramaniam	NetKernel : XML Processing for the 21st Century Brian Sletten	Shippers Unite! Jared Richardson
4:45 - 5:00 PM	BREAK				
5:00 - 6:30 PM	JavaScript Exposed: There's a Real Programming Language in There! (Part 2) Glenn Vanderburg	Real World Grails Scott Davis	Java 6 Features, what's in it for you? Venkat Subramaniam	Applied AOP Brian Sletten	Build Teams, Not Products Jared Richardson
6:30 - 7:15 PM	DINNER				
7:15 - 8:00 PM	Keynote: by Scott Davis				

Sat, Aug. 11, 2007					
	Salon E	Salon B-C	Salon F-G	Salon A	Salon H
8:00 - 9:00 AM	BREAKFAST				
9:00 - 10:30 AM	Java Performance Myths Glenn Vanderburg	Implementing SOA Neal Ford	Spring 2.0: New and Noteworthy Ben Hale	get Fit Venkat Subramaniam	Data Integration : Beyond Cutesy Mashups Brian Sletten
10:30 - 11:00 AM	BREAK				
11:00 - 12:30 PM	JavaServer Faces: A Whirlwind Tour David Geary	Drooling with Groovy and Rules Venkat Subramaniam	Spring and Hibernate in the Middle Tier Ben Hale	Metrics-driven Agile Development Neal Ford	Everything Old Is New Again Glenn Vanderburg
12:30 - 1:30 PM	LUNCH				
1:30 - 3:00 PM	Killer JavaScript Frameworks: Prototype, Scriptaculous, and Rico David Geary	The Zen of REST Scott Davis	Getting Started with Grails Jason Rudolph	Power Regular Expressions in Java Neal Ford	Acegi Security: The security framework with the funny name Ben Hale
3:00 - 3:15 PM	BREAK				
3:15 - 4:45 PM	Ajaxian Faces David Geary	Mocking Web Services Scott Davis	Advanced Domain Models in Grails: Enterprise Integration Made Easy Jason Rudolph	Agile Project Management with Mingle Neal Ford	The Busy Java Developer's Guide to ClassLoaders Ted Neward
4:45 - 5:30 PM	BIRDS OF A FEATHER SESSIONS				

Sun, Aug. 12, 2007					
	Salon E	Salon B-C	Salon F-G	Salon A	Salon H
8:00 - 9:00 AM	BREAKFAST				
9:00 - 10:30 AM	10 Ways to Improve Your Code Neal Ford	Spring into Groovy Venkat Subramaniam	RAD JSF with Seam, Facelets, and Ajax4jsf, Part One David Geary	The Busy Java Developer's Guide to Java Platform Security Ted Neward	AOP and JMX: A match made in heaven Ben Hale
10:30 - 11:00 AM	BREAK				
11:00 - 12:30 PM	Introduction to Hibernate Scott Leberknight	OSGi: A Well Kept Secret Venkat Subramaniam	RAD JSF with Seam, Facelets, and Ajax4jsf, Part Two David Geary	The Busy Java Developer's Guide to Reflection Ted Neward	Building DSLs in Static and Dynamic Languages Neal Ford
12:30 - 1:15 PM	LUNCH				
1:15 - 2:15 PM	EXPERT PANEL DISCUSSION				
2:15 - 3:45 PM	Introduction to JRuby Neal Ford	The Google Web Toolkit, Part One David Geary	Effective Hibernate Scott Leberknight	The Busy Java Developer's Guide to Threads and Synchronization Ted Neward	Introducing Agility to Large Organizations David Bock
3:45 - 4:00 PM	BREAK				
4:00 - 5:30 PM	Rails for JRuby Neal Ford	The Google Web Toolkit, Part Two David Geary	Advanced Hibernate Scott Leberknight	The Busy Java Developer's Guide to Debugging and Monitoring Ted Neward	Internationalization and Localization in Java David Bock

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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.

Spring and Hibernate in the Middle Tier by Ben Hale

To today's JEE developer, there are two indispensable tools for creating applications; Spring and Hibernate. Together these two frameworks comprise one of the most powerful and often used stacks in the industry. While it is possible to do amazing things it's not always obvious how best to use them to maximize value. This session aims to correct that.

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.

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

You're winding down a 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 of JMX, you can introduce amazing management and monitoring capabilities without changing your mainline code one bit.

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.

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.

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. Now that Spring 2.0 provides support for AspectJ, the time has never been better to learn about these new (but backwards compatible) ways of thinking about building software.

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).

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.

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.

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.

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.

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.

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.

RAD JSF with Seam, Facelets, and Ajax4jsf, Part Two by David Geary

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

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.

The Google Web Toolkit, Part Two by David Geary

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

Ajax Design and Architecture by Glenn Vanderburg

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

JavaScript Exposed: There's a Real Programming Language in There! (Part 1) by Glenn Vanderburg

With the sudden importance of Ajax, it's time to take JavaScript seriously. That means learning it the right way: looking at the fundamentals of the language and surveying its strengths and weaknesses, instead of just copying other people's poorly written examples.

JavaScript Exposed: There's a Real Programming Language in There! (Part 2) by Glenn Vanderburg

Building on part 1, this talk dives deep into JavaScript's object model. We'll see how it differs from more mainstream object-oriented languages, and why. We'll explore how to hide some of those differences, as well as the reasons you might not want to. Additionally, we'll cover useful tools for JavaScript testing, debugging, and profiling.

Java Performance Myths by Glenn Vanderburg

Performance myths about the Java platform abound, from the general "Java is slow", to the more specific "reflection is slow", "allocation is slow", "synchronization is slow", "garbage collection is slow", etc. Many of these myths have their root in fact (in JDK 1.0, everything was slow); today, not only are many of these statements not true, but Java performance has surpassed that of C in many areas, such as memory management.

Everything Old Is New Again by Glenn Vanderburg

The early years of computers -- the '50s and '60s -- were characterized by furious exploration of a huge variety of different ideas. Since then many of the hot topics of those days have moved to the fringe, largely ignored by the mainstream of software development. But some of them are being rediscovered, and a lot of what we think of as "new developments" are really just some old ideas returning to center stage.

Distributed Teams: Remote Agility by Jared Richardson

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

Shippers Unite! by Jared Richardson

An overview of the Agile software approach from the book Ship It! A Practical Guide to Successful Software Projects.

Build Teams, Not Products by Jared Richardson

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

Getting Started with Grails by Jason Rudolph

Grails is an open-source web application framework that's all about getting things done. Grails combines best-of-breed Java technologies (including Hibernate and Spring), convention over configuration, and the powerful and dynamic Groovy language. Together with these elements and Groovy's ability to seamlessly integrate with your existing Java code, Grails finally legitimizes rapid web application development for the Java platform.

Advanced Domain Models in Grails: Enterprise Integration Made Easy by Jason Rudolph

Have you seen someone develop a Rails or Grails application in a matter of minutes, only to later discover that their domain model and database schema followed conventions that are different from your existing systems? Or perhaps you're interested in using Grails, but you don't want to duplicate your existing Java domain classes in Groovy. In this session, we'll see how Grails makes it easy to hook into your pre-defined schemas or existing entity classes, while still getting all the rapid application development (RAD) goodness that Grails has to offer.

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.

Metrics-driven Agile Development by Neal Ford

Agile software development is a highly disciplined way to build software, and one of the side effects of this discipline is the ability to gather meaningful metrics. This session describes what makes agility perfectly suited to metrics gathering and what kinds of real-world metrics you can generate.

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.

Agile Project Management with Mingle by Neal Ford

Mingle is an innovative project management tool with "skinnable religion", virtual card walls, highly customizable workflow, and role-based views. This talk describes its setup, use, and some implementation details of how it was created.

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.

Building DSLs in Static and Dynamic Languages by Neal Ford

This session discusses building Domain Specific Languages and DSL-style code in Java, Groovy, and Ruby. 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.

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.

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.

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.

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.

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.

KEYNOTE: No, I Won't Tell You Which Web Framework to Use: or The Truth (with Jokes) by Scott Davis

"Which framework should I use?" is the question most often heard on the No Fluff, Just Stuff tour. It's well worth asking. Unfortunately, there is no simple answer. After years on the tour, most speakers have crafted

a response that would make any Washington politician proud -- long on style, but essentially, "Well, it depends..."

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.

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.

Introduction to Hibernate by Scott Leberknight

This session introduces the Hibernate Object/Relational Mapping (ORM) framework, showing the basics of persisting Java objects to relational databases. No prior knowledge of Hibernate or ORM is assumed.

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.

Advanced Hibernate by Scott Leberknight

This session covers advanced Hibernate topics beyond simple object persistence including session management, object locking, detachment and versioning, lazy loading performance issues and query tuning, advanced O/R mapping support, legacy database considerations, and the Hibernate cache architecture.

The Busy Java Developer's Guide to ClassLoaders by Ted Neward

If you've ever gotten a ClassCastException and just knew the runtime was wrong about it, or found yourself copying .jar files all over your production server just to get your code to run, then you probably find the Java ClassLoader mechanism to be deep, dark, mysterious, and incomprehensible. Take a deep breath, and relax--ClassLoaders aren't as bad as they seem at first, once you understand a few basic rules regarding their operation, and have a bit more tools in your belt to diagnose ClassLoader problems. And once you've got that, and hear about ClassLoaders' ability to run multiple versions of the same code at the same time, and to provide isolation barriers inside your application, or even compile code on the fly from source form, you might just find that you like ClassLoaders after all... maybe.

The Busy Java Developer's Guide to Java Platform Security by Ted Neward

Permissions, policy, SecurityExceptions, oh my! The Java platform is a rich and powerful platform, complete with a rich and powerful security mechanism, but sometimes understanding it and how it works can be daunting and intimidating, and leave developers with the basic impression that it's mysterious and dark and incomprehensible. Nothing could be further from the truth, and in this presentation, we'll take a pragmatic, code-first look at the Java security platform, including Permissions, the SecurityManager and its successor, AccessController, the Policy class and policy file syntax, JAAS, and more.

The Busy Java Developer's Guide to Reflection by Ted Neward

If you've never used Reflection (java.lang.reflect), you don't know what you're missing. In this presentation, we'll take a code-first, soup-to-nuts look at the Java Reflection APIs, from how to examine the class metadata that Reflection provides, to using annotations to enhance that metadata with your own information, even through the use of Java Dynamic Proxies to create flexible object "interceptors" that can layer services in front of ordinary method calls with nothing more complicated and an interface and a factory.

The Busy Java Developer's Guide to Threads and Synchronization by Ted Neward

Java's threading capabilities have been a part of the Java platform since its inception, yet for many Java developers, using Threads still remain a dark and mysterious art, and synchronization beyond the use of the "synchronized" keyword is almost unknown.

The Busy Java Developer's Guide to Debugging and Monitoring by Ted Neward

Bugs? We all know your code has no bugs, but someday, you're going to find yourself tracking down a bug in somebody else's code, and that's when it's going to be helpful to make use of the wealth of tools that the Java Standard Platform makes available to you--tools that your IDE may not know exist, tools that you can make use of even within a production environment.

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.

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.

Java 6 Features, what's in it for you? by Venkat Subramaniam

What benefit do new Java 6 features offer you. Are there issues with using these features. The objective of this presentation is not simply to introduce you to the features, but to the effective use of these as well.

get Fit by Venkat Subramaniam

Unit testing tells you, the programmer, that your code (and the change) meets your expectations. How do you know if you are meeting your customers' expectations? Agile development is all about feedback and doing what's relevant to the customers, isn't it? Framework for Integration testing or Fit helps you to automate tests for customer expectations.

Drizzling 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.

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.

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.