

Greater Nebraska Software Symposium

Crowne Plaza Omaha

March 23 - 25, 2007

<http://www.nofluffjuststuff.com/sh/2007-03-omaha>

Fri, Mar. 23, 2007				
	Dodge I	Dodge II	Dodge III	Rose
12:00 - 1:00 PM	REGISTRATION			
1:00 - 1:15 PM	WELCOME			
1:15 - 2:45 PM	10 Ways to Improve Your Code Neal Ford	Ajax Design and Architecture Glenn Vanderburg	Groovy: Greasing the Wheels of Java Scott Davis	Java 6 Features, what's in it for you? Venkat Subramaniam
2:45 - 3:15 PM	BREAK			
3:15 - 4:45 PM	Power Regular Expressions in Java Neal Ford	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
4:45 - 5:00 PM	BREAK			
5:00 - 6:30 PM	Implementing SOA Neal Ford	JavaScript Exposed: There's a Real Programming Language in There! (Part 2) Glenn Vanderburg	Real World Grails Scott Davis	get Fit Venkat Subramaniam
6:30 - 7:15 PM	DINNER			
7:15 - 8:00 PM	KEYNOTE			

Sat, Mar. 24, 2007				
	Dodge I	Dodge II	Dodge III	Rose
8:00 - 9:00 AM	BREAKFAST			
9:00 - 10:30 AM	Spring 2.0: New and Noteworthy Mark Fisher	The Zen of REST Scott Davis	Practices of an Agile Developer Venkat Subramaniam	Debugging and Testing the Web Tier Neal Ford
10:30 - 11:00 AM	BREAK			
11:00 - 12:30 PM	The Role of Spring in an ESB Mark Fisher	Real World Groovy with Jim McGill (Mutual of Omaha) Scott Hickey	Java Performance Myths Glenn Vanderburg	Advanced Selenium Neal Ford
12:30 - 1:30 PM	LUNCH			
1:30 - 3:00 PM	Spring/Hibernate Integration Basics Scott Leberknight	JavaServer Faces: A Whirlwind Tour David Geary	JRuby Venkat Subramaniam	Productive Programmer: Acceleration, Focus, and Indirection Neal Ford
3:00 - 3:15 PM	BREAK			
3:15 - 4:45 PM	Effective Hibernate Scott Leberknight	Ajaxian Faces David Geary	Message Driven POJOs Mark Fisher	Productive Programmer: Automation and Canonicity Neal Ford
4:45 - 5:30 PM	BIRDS OF A FEATHER SESSIONS			

Sun, Mar. 25, 2007				
	Dodge I	Dodge II	Dodge III	Rose
8:00 - 9:00 AM	BREAKFAST			
9:00 - 10:30 AM	RAD JSF with Seam, Facelets, and Ajax4jsf, Part One David Geary	Spring/Hibernate Integration Patterns, Idioms, and Pitfalls Scott Leberknight	Drooling with Groovy and Rules Venkat Subramaniam	The Busy Java Developer's Guide to Reflection Ted Neward
10:30 - 11:00 AM	BREAK			
11:00 - 12:30 PM	RAD JSF with Seam, Facelets, and Ajax4jsf, Part Two David Geary	Spring into Groovy Venkat Subramaniam	Mocking Web Services Scott Davis	The Busy Java Developer's Guide to ClassLoaders Ted Neward
12:30 - 1:15 PM	LUNCH			
1:15 - 2:15 PM	EXPERT PANEL DISCUSSION			
2:15 - 3:45 PM	The Google Web Toolkit, Part One David Geary	The Busy Java Developer's Guide to Debugging and Monitoring Ted Neward	OSGi: A Well Kept Secret Venkat Subramaniam	Introduction to Spring Security Mark Fisher
3:45 - 4:00 PM	BREAK			
4:00 - 5:30 PM	The Google Web Toolkit, Part Two David Geary	The Busy Java Developer's Guide to Java Platform Security Ted Neward	Domain Driven Design Venkat Subramaniam	The Groovy Eclipse Plugin Scott Hickey

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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.

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.

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.

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.

Spring 2.0: New and Noteworthy by Mark Fisher

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. In this session we'll provide a practical tour of what's new in Spring 2.0. Spring 1.x users who are looking to upgrade to Spring 2.0 will love this session. If you're not using Spring already, this talk will give a great overview of the things you're missing out by not using Spring 2.0.

The Role of Spring in an ESB by Mark Fisher

An Enterprise Service Bus (ESB) brings flow-related concepts such as transformation and routing to a Service-Oriented Architecture. An ESB can also provide an abstraction for endpoints. This promotes flexibility in the transport layer and enables pluggability of POJO services.

Message Driven POJOs by Mark Fisher

One of the most exciting new features of Spring 2.0 is its support for Message-Driven POJOs. It is now possible to receive JMS messages asynchronously and delegate the handling of those messages to simple objects. If your POJO has a return value, it will automatically be sent to a reply destination. Spring's messaging containers support configurable pooling of concurrent consumers and offer full integration with Spring's transaction management.

Introduction to Spring Security by Mark Fisher

Spring Security (a.k.a. Acegi) enables self-contained, consistent solutions for securing your applications. The interceptor-based approach is non-invasive even when extended to accommodate domain-specific requirements. The two main security processes (authentication and authorization) are decoupled in order to provide flexibility across a wide variety of providers and strategies.

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.

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.

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.

Debugging and Testing the Web Tier by Neal Ford

As our applications have spilled from the server across the wire to the web tier, we increasingly must debug and test in the browser. This session covers debugging and testing tools for clients, JavaScript, and Ajax.

Advanced Selenium by Neal Ford

This session discusses advanced Selenium techniques for testing web applications. It discusses techniques for both TestRunner and Remote Control Selenium, including data driven tests, creating branch points, testing Ajax applications, creating flexible tests, integration with continuous integration, and tons more.

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.

Productive Programmer: Automation and Canonicity by Neal Ford

This session discusses how to use the Productive Programmer principles of automation and canonicity 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.

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.

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.

Real World Groovy with Jim McGill (Mutual of Omaha) by Scott Hickey

Now that Groovy 1.0 has arrived, you are considering Groovy for your next project. You search the web for more information only to get conflicting or incomplete information. It's hard to distinguish FUD from fact. In this session, we go beyond the theoretical and discuss everything you want to know about using Java in a real world corporate Java project. This presentation is based upon two years of actual experience using Groovy as part of a large J2EE project at Mutual of Omaha, a Fortune 500 company.

The Groovy Eclipse Plugin by Scott Hickey

In this presentation, we will look at how you can begin using Groovy inside of Eclipse. Project setup, mixing Groovy and Java, and debugging will be covered. The presentation will also feature tips and tricks from real-world project development using the Groovy Eclipse plugin.

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.

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 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.

Pragmatic XML Services: Using Celtix/CXF (XFire) by Ted Neward

Much discussion is made around XML services, including a presentation I've done in previous shows. Now, it's time to put rubber to road and see how to implement RESTful SOAP-based services, over a variety of transports, using (in this case) the merged XFire/CXF projects, known collectively as Celtix (or, its semi-commercial big brother, Celtix Enterprise). XML messages over a transport of your choice, baby, and all of it completely compatible with the Big Vendor on the other side of the road. JAXWS may not suck quite as bad as was first reported. Oh, and lest the RESTafarians grow nervous... yeah, we got you covered, too,

along with the dynamic language crowd.

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 than an interface and a factory.

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 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.

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.

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.

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.

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.

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.

JRuby by Venkat Subramaniam

Object-oriented scripting languages, or agile dynamic languages, as some like to call those, are gaining programmers' attention. Several dynamic languages are on the JVM. Groovy and JRuby are two languages that are drawing developers' interest. Sun has shown support for these two, and especially JRuby by hiring the core developers.

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.

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.