Pacific Northwest Software Symposium

Redmond Marriott Town Center
September 21 - 23, 2007
http://www.nofluffjuststuff.com/sh/2007-09-seattle
(event schedule as of September 19, 2007)

The No Fluff Just Stuff Java Symposium Series is proud to announce the return of the Pacific Northwest Software Symposium on September 21 - 23, 2007. PNSS2007 2007 will be held at the Redmond Marriott Town Center.

Since 2002, the No Fluff Just Stuff Java Symposium has been regarded as the premier Java/Agility event series anywhere serving over 16,000 attendees with some 100 events. The popularity of the NFJS symposium series can be traced to the following:

1). Exceptional Speakers
2). Limited Attendance - capped at 250 people
3). No Vendors, No Sales Pitches, No Marketecture
4). Excellent networking opportunity with speakers and fellow attendees because of small size.
5). The Best Value in the Java conferencing space period.

The Pacific Northwest Software Symposium 2007 will offer 5 concurrent tracks with a total of 55 sessions to choose from with some of the topics including:

1). Groovy
2). Grails
3). OSGI
4). Domain Driven Design
5). Annotations
6). Java 6.0
7). REST
8). JRuby
9). Enterprise Ajax
10). JPA and many more!!

REGISTRATION:

The registration fee includes a three day all access pass to PNSS2007 2007, all meals and snacks during the show, custom laptop NFJS bag, binder for handouts and CD with all presentation content.

Early Bird Registration: $750/person good thru 9/4/07 after $850

Excellent Group Discounts Available - bring your entire development team to the show - no travel required!! Rate good thru 9/4/07

Registration Fees

Attendees	Before Sep. 4, 2007	After Sep. 4, 2007
5-9	$675	$750
10-14	$650	$725
15-24	$625	$700
25+	$600	$675

Go to http://www.nofluffjuststuff.com/sh/2007-09-seattle and register today!

Pacific Northwest Software Symposium

-Session Schedule-

(event schedule as of September 19, 2007)

Friday, Sep. 21

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 : 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 #3 : 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.

Session #4 : 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 #5 : Gradual Agile: The Secret to Introducing Agile Practices by Jared Richardson

Agile practices are popular because they work, but getting people to take that first step can be tricky.

2:45 - 3:15 PM : BREAK

3:15 - 4:45 PM - Sessions

Session #6 : 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 #7 : 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 #8 : 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.

Session #9 : RESTlet for the Weary by Brian Sletten

If you have started to take a look at REST as way of exposing web services or managing information spaces, you may be frustrated by the support offered by legacy containers. There is no direct support for REST concepts in the J2EE specs (yet). XML-based configurations are so 1990's. Come learn about Restlets, a little API that has caught the attention of many in the RESTafarian community.

Session #10 : Distributed Teams: Remote Agility by Jared Richardson

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

4:45 - 5:00 PM : BREAK

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5:00 - 6:30 PM - Sessions

Session #11 : 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 #12 : 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 #13 : Enterprise Performance and Scalability by Ted Neward

Wondering why your enterprise Java app just? sucks? Trying to figure out why you can?t get more than 10 concurrent users online at the same time? Looking for ways to try and spot the slowdowns and ways to fix them?

Session #14 : 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 #15 : Shippers Unite! by Jared Richardson

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

6:30 - 7:15 PM : DINNER

Saturday, Sep. 22

8:00 - 9:00 AM : BREAKFAST

9:00 - 10:30 AM - Sessions

Session #16 : The Secrets of GORM by Scott Davis

GORM (the Grails Object/Relational Mapper) is one of the many high points of the Grails web framework. GORM is a thin Groovy wrapper over Hibernate, but that doesn't begin to capture excitement of what GORM brings to the party. Imagine being able to call book.save() and book.delete() on your Book class; calling Book.get(1) to retrieve your book from the database by primary key; using Book.list() to pull an ArrayList of Book objects into your application. Now imagine getting all of that functionality (and more) for free with each new class you define. No interfaces to implement. No abstract classes to extend. Persistence that is transparent, automatic, and simple to use: GORM.

Session #17 : 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 #18 : 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 #19 : 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 #20 : 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.

10:30 - 11:00 AM : BREAK

11:00 - 12:30 PM - Sessions

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Session #21 : Ajax development with the Yahoo! UI Library and Grails by Scott Davis

Yahoo! is a company that eats its own dog food. They open sourced the Ajax code that drives many of their own websites, including their eponymous homepage, Yahoo! Mail, and Yahoo! News. Come see first hand how the various pieces of the library work together as a seamless whole.

Session #22 : 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 #23 : 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 #24 : 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 #25 : 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.

12:30 - 1:30 PM : LUNCH

1:30 - 3:00 PM - Sessions

Session #26 : 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 #27 : 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 #28 : 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.

Session #29 : 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 #30 : Build Teams, Not Products by Jared Richardson

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

3:00 - 3:15 PM : BREAK

3:15 - 4:45 PM - Sessions

Session #31 : 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 #32 : The Google Web Toolkit, Part Two by David Geary

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

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Session #33 : 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 #34 : The Java Memory Model by Brian Goetz

What's the worst thing that can happen when you fail to synchronize in a concurrent Java program? Its probably worse than you think -- modern shared-memory processors can do some pretty weird things when left to their own devices.

Session #35 : 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.

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

Sunday, Sep. 23

8:00 - 9:00 AM : BREAKFAST

9:00 - 10:30 AM - Sessions

Session #36 : 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 #37 : Groovy For Java Programmers by Jeff Brown

Groovy is an agile dynamic language for the Java platform. Groovy has a Java like syntax along with many features inspired by languages like Python, Ruby and Smalltalk. This session covers a lot of ground including many interactive examples to hilite the powerful language features that make Groovy compelling. A lot of momentum is building in the Groovy and Grails communities right now and this session is aimed at Java developers who want to leverage the power of Groovy.

Session #38 : Using Aspects to Work with Annotations by Ron Bodkin

In this session, you will learn how to use Aspect-Oriented Programming (AOP) as a tool to avoid annotation hell by working effectively with Java 5 annotations (such as @Remote). You will see simple and more advanced techniques to process custom annotations in a higher-level Java-like language, and how this compares to lower-level approaches like the Java Annotation Processing Tool. You will also see techniques for simplifying annotations, by providing application-specific default values and by deriving standard annotations used by frameworks like EJB 3, JAX-WS, and the Spring Framework from higher-level domain-specific annotations using AOP.

Session #39 : Introduction to 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 BeanForm and Table will be highlighted, along with meta-programming using the Trails framework.

Session #40 : Agile Requirements with User Stories by Pete Behrens

User Stories, a key practice from Extreme Programming, provide a right-sized solution to more efficiently identify, track and implement product requirements. Learn how identify, write and decompose "good" user stories that drive agile behavior and business value.

10:30 - 11:00 AM : BREAK

11:00 - 12:30 PM - Sessions

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Session #41 : Beyond ACID: transactions management, in theory and practice by Brian Goetz

Transactions are the software building blocks of enterprise applications, but not all transactional systems are created equally. This talk covers the basics of what transactions are, why they are essential to building reliable enterprise software, the fundamental properties of transactions, and how transactions are supported and implemented in popular frameworks such as Java EE and Spring.

Session #42 : Advanced Metaprogramming With Groovy by Jeff Brown

The dynamic nature of Groovy makes it a fantastic language for building dynamic applications for the Java Platform. The metaprogramming capabilities offered by the language provide everything that an application development team needs to build systems that are far more capable than their all Java counterparts. Taking advantage of Groovy's metaprogramming capabilities brings great new possibilities that would be very difficult or just plain impossible to write with Java alone. Building Domain Specific Languages in Groovy is easy to do once a team has a good understanding of the Metaobject-Protocol (MOP) and the method dispatch mechanisms used by the Groovy runtime environment.

Session #43 : Glassbox: Open Source Monitoring and Troubleshooting by Ron Bodkin

In this session, you will learn how the Glassbox open source troubleshooting and monitoring agent supports low overhead monitoring and troubleshooting without needing to "bake in" instrumentation up front. Glassbox provides an easy to use AJAX interface, an automated installer, and concise summaries of common problems such as database failures, and slow operations caused by thread contention and excessive distributed calls. Glassbox also supports customization and detailed analysis for deeper investigation. Under the covers, Glassbox uses JMX and aspect-oriented programming to discover applications, track performance, and automatically diagnose common problems in Java applications. You will see how Glassbox can be extended easily with XML, AspectJ, and Spring AOP, providing a useful foundation for customized application monitoring. See also http://www.glassbox.com/ for more information.

Session #44 : 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 #45 : Agile Estimating, Planning and Tracking: Part I by Pete Behrens

Business leaders and stakeholders require accountability and accuracy in our software release projections and yet, as an industry, we have failed. However, many of these same leaders are not convinced that agile is any more than an excuse to avoid projections at all. While it is true that agility provides the framework to support change, it doesn't mean you can't provide accurate projections. In fact, a well-executed agile process actually provides more accurate results with less time investment than traditional methods. This session will demonstrate these agile project management techniques to manage 6-12 month projects. This session focuses on the release level, followed by Part II which focuses on the sprint level.

12:30 - 1:15 PM : LUNCH

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

2:15 - 3:45 PM - Sessions

Session #46 : Structuring concurrent applications in JDK 5.0 by Brian Goetz

JDK 5.0 is a huge step forward in developing concurrent Java classes and applications, providing a rich set of high-level concurrency building blocks.

Session #47 : Introduction To Agile Web Development With Grails by Jeff Brown

Grails brings the powerful "coding by convention" paradigm to Groovy and Java. Grails is not just another flavor in the pool of web development frameworks for Java. Grails leverages the powerful dynamic features of Groovy while taking advantage of best of breed technologies like Hibernate, Spring, Sitemesh and Quartz to make web application development both fun and easy.

Session #48 : 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 #49 : 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.

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Session #50 : Agile Estimating, Planning and Tracking: Part II by Pete Behrens

This session continues the discussion from Part I on Agile Estimating, Planning and Tracking focusing on the sprint (or iteration) level rather than the release level. The sprint cycle is the heartbeat of an agile process. Running smoothly and efficiently it drives incredibly productive teams and high-quality solutions. Yet, so often it feels unhealthy and arrhythmic. This session will provide the characteristics of a heathly sprint heartbeat and demonstrate the key components required to keep it running that way.

3:45 - 4:00 PM : BREAK

4:00 - 5:30 PM - Sessions

Session #51 : Effective Concurrent Java by Brian Goetz

The Java programming language has turned a generation of applications programmers into concurrent programmers through its direct support of multithreading. However, the Java concurrency primitives are just that: primitive. From them you can build many concurrency utilities, but doing so takes great care as concurrent programming poses many traps for the unwary.

Session #52 : Advanced View Techniques With Grails by Jeff Brown

Grails provides view technologies that offer great flexibility and power without the complexity introduced by other Java web application frameworks. Custom tag libraries are a snap. GSP Templates provide a simple mechanism for reusing UI elements. Sitemesh is integrated to help provide a consistent presentation across the entire application. Grails provides simple mechanisms for leveraging the power of Ajax.

Session #53 : 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, and finally handling both simple and complex stored procedures. 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 #54 : 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 #55 : A Scrum Experience by Pete Behrens

Scrum is a very easy agile framework to understand, but is very difficult in practice. Why is that? For one, Scrum requires compressing an entire software lifecycle into very short time increments of 2-4 weeks in length. It requires cross-functional team commitment, discipline, communication, and collaboration to accomplish their goals. These changes are difficult and often expose organizational and environmental issues that must be addressed for the team to be successful. This session brings focus to the Scrum heartbeat - the sprint. After a brief introduction of the Scrum framework and a focus on the sprint, we will be taking an experiential hands-on journey through a full sprint with your newly formed team.