

# Greater Wisconsin Software Symposium

Sheraton Milwaukee Brookfield

February 26 - 28, 2010

The No Fluff Just Stuff Java Symposium Series is proud to announce the return of the Greater Wisconsin Software Symposium on February 26 - 28, 2010. GWSS will be held at the Sheraton Milwaukee Brookfield.

Since 2001, the No Fluff Just Stuff Java Symposium has been regarded as the premier Java/Agility event series anywhere serving over 29,500 attendees with some 190 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.

## **Topics for the 2010 NFJS Tour**

Languages on the JVM: Groovy, JRuby, Clojure, Scala  
HTML5

Enterprise Java

Core Java, JVM Internals

No SQL: MongoDB

JSF, GWT

Agility

Groovy, Grails, Gradle

REST, RDFa, Resource Oriented Architectures

GIT Version Control

jQuery, Ajax, Flex, RIA

Mobile Applications - iPhone and Android

More...

## **The Registration Fee Includes:**

3 Day All Access Pass to GWSS

All Meals/Snacks - duration of the symposium

90 Day IntelliJ license compliments of JetBrains

Session Materials

Custom NFJS Binder

Great Giveaways @ NFJS

**Early Bird Registration:** \$825/person good thru 2/12/10 after \$925

**Excellent Group Discounts Available** - bring your entire development team to the show - no travel required!! Rate good thru 2/12/10

## **Registration Fees**

<b>Attendees</b>	<b>Before Feb. 12, 2010</b>	<b>After Feb. 12, 2010</b>
5-9	\$725	\$825
10-14	\$700	\$800
15-24	\$675	\$775
25+	\$650	\$750

Go to <http://www.nofluffjuststuff.com/conference/milwaukee/2010/02/home> and register today!

# Greater Wisconsin Software Symposium

## -Session Schedule-

(event schedule as of February 23, 2010)

### Friday, Feb. 26

12:00 - 1:00 PM : REGISTRATION

1:00 - 1:15 PM : WELCOME

1:15 - 2:45 PM - Sessions

#### **Session #1 : Open Source Debugging Tools for Java by Matthew McCullough**

This session will survey a wide range of tools across the Java space. We'll look at utilities such as VisualVM, jstatd, jps, jhat, jmap, Eclipse Memory Analyzer, jtracert, btrace and more. Open Source is not just a suite of libraries you consume within your application, but now reaches into the space of tools to help you troubleshoot and improve your applications. The price of these tools eliminates barriers to their use and their open source nature allows you to mix and match them into compositions that work well for your application's unique debugging needs.

#### **Session #2 : What's Brewing in Java by Venkat Subramaniam**

Java has come a long way, and yet there is so much that's happening in this space. In this presentation we will take a look at the exciting additions and changes coming up in the next version of Java. **Prerequisite:** *Good programming knowledge of Java*

#### **Session #3 : Architect for Scale by Michael Nygard**

Is your system small, medium, large, or super-size? Is traffic on it's way up? Architecture patterns and structures that work at one scale seldom work across all of them. A communication style that's appropriate for small websites will probably fail badly if you apply it to world-wide networks of computers. Likewise, structures that work for large-scale systems are probably too complex and expensive to be worth it for small sites.

#### **Session #4 : Open Source Business Intelligence by Tim Berglund**

Traditionally, business intelligence tools have been a high-cost part of any enterprise's software inventory. Recently, options have emerged that allow architects to build a credible business intelligence stack out of entirely open-source components. In this brief overview, we will demonstrate ETL, reporting, and analytics tool that can be deployed free or at low cost. Learn how to turn your company's transactional database into a rich data asset with a business-friendly user interface that integrates into your existing software infrastructure.

#### **Session #5 : HTML 5 ... and the Kitchen Sink by Brian Sletten**

HTML 5 is an adventurous and confusing prospect that will help change the Web as we know it. It is being finalized as a standard but won't be fully supported by most browsers for quite some time. Companies like Apple and Google have already committed to it as the future of Web application development, however. There are a huge number of new features, updates and gotchas coming at us (including the proverbial kitchen sink!) so it is time to get prepared. This talk will walk you through the new bits and try to put it all into perspective.

2:45 - 3:15 PM : BREAK

3:15 - 4:45 PM - Sessions

#### **Session #6 : Encryption on the JVM: Boot Camp by Matthew McCullough**

Does your application transmit customer information? Are there fields of sensitive customer data stored in your DB? Can your application be used on insecure networks? If so, you need a working knowledge of encryption and how to leverage Open Source APIs and libraries to make securing your data as easy as possible. Encryption is quickly becoming a developer's new frontier of responsibility in many data-centric applications.

#### **Session #7 : How to Approach Refactoring by Venkat Subramaniam**

You can't be agile if your code sucks. You know that you have to constantly refactor your code and design. But the question is how? In this presentation, instead of looking at a laundry list of refactoring techniques, we will instead look at how to effectively approach refactoring and along the way discuss some core principles to look for.

#### **Session #8 : Software Architecture for the Cloud by Michael Nygard**

Servers, storage, networking, backups... they're all vanishing into the "clouds". Cloud Computing is the emerging architecture for massive, scalable infrastructure that your company doesn't have to own or operate. In this session, Michael will discuss the ingredients of real cloud computing and how you can apply it to your applications. He will show several architectures and discuss applications that fit each of these models. Finally, he will also talk about some of the pitfalls and problems that cloud computing customers can encounter.

#### **Session #9 : The Busy Java Developer's Guide to Collections by Ted Neward**

For so many Java developers, the java.util.\* package consists of List, ArrayList, and maybe Map and HashMap. But the Collections classes are so much more powerful than many of us are led to believe, and all it requires is a small amount of digging and some simple exploration to begin to "get" the real power of the Collection classes.

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### **Session #10 : REST : Information-Driven Architectures for the 21st Century by Brian Sletten**

There is a shift going on in the Enterprise. While still used and useful, the promises of the SOAP/WSDL/UDDI Service-Oriented Architecture (SOA) stack have failed to live up to their promise. A new vision of linked information is enveloping online and Enterprise users. The REST architectural style is squarely behind this thinking as a way of achieving low-cost, flexible integration, increased data security, greater scalability and long-term migration strategies. If you have dismissed REST as a toy or are unfamiliar with it, you owe it to yourself to see what is so interesting about this way of doing things.

4:45 - 5:00 PM : BREAK

5:00 - 6:30 PM - Sessions

### **Session #11 : Encryption on the JVM: Advanced Techniques by Matthew McCullough**

Now that you have the basics of encryption under your belt, we'll advance to talking about where it is sensible and performant to add this level of security to your application. Symmetric key and public key encryption have various levels of processing overhead, so you can't blindly just use the "best" encryption out there. What about password hashes? Did you know they are vulnerable with our "salt"?

**Prerequisite:** *Encryption Bootcamp on the JVM*

### **Session #12 : Testing with dependencies by Venkat Subramaniam**

Testing is a key ingredient to the success of a project. However, testing becomes awfully hard when your application deals with dependencies and that is often the reality.

### **Session #13 : High Performance Persistence with Redis by Michael Nygard**

Redis is one of the fresh crop of "NoSQL" storage solutions. It's a distributed key-value store that knows how to deal with data structures. Oh, and it happens to also be incredibly fast. Like, microseconds per write.

### **Session #14 : The Busy Java Developer's Guide to Functional Java by Ted Neward**

Much noise has been made in recent years about functional languages, like Scala or Haskell, and their benefits relative to object-oriented languages, most notably Java. Unfortunately, as wonderful as many of those benefits are, the fact remains that most Java developers will either not want or not be able to adopt those languages for writing day-to-day code. Which leaves us with a basic question: if I can't use these functional languages to write production code, is there any advantage to learning about them? The short answer is yes, for the fundamental premise--"I can't use functional code on my Java project"--is flawed. Java developers can, in fact, make use of functional ideas, and what's better, they don't even have to reinvent them for Java--thanks to the FunctionalJava library, many of the core primitives--interfaces that serve as base types for creating function values, for example--already exist, ready to be used.

### **Session #15 : RDFa : Weaving Richness and Meaning in the Web by Brian Sletten**

The human web is reasonably well in hand by now. We are getting pretty good at building systems that people find valuable and entertaining. We have not spent as much time concerned about our software friends. There is a ton a rich content available on the web that is too difficult to extract in automated ways using just XHTML, the meta tag and microformats. This talk will introduce you to some emerging technologies from the Semantic Web camp to enrich your web pages with useful information for both automated extraction and improved browsing experiences.

6:30 - 7:15 PM : DINNER

## **Saturday, Feb. 27**

8:00 - 9:00 AM : BREAKFAST

9:00 - 10:30 AM - Sessions

### **Session #16 : Hadoop: Divide and Conquer Gigantic Datasets (Intro) by Matthew McCullough**

Moore's law has finally hit the wall and CPU speeds have actually decreased in the last few years. The industry is reacting with hardware with an ever-growing number of cores and software that can leverage "grids" of distributed, often commodity, computing resources. But how is a traditional Java developer supposed to easily take advantage of this revolution? The answer is the Apache Hadoop family of projects. Hadoop is a suite of Open Source APIs at the forefront of this grid computing revolution and is considered the absolute gold standard for the divide-and-conquer model of distributed problem crunching. The well-travelled Apache Hadoop framework is currently being leveraged in production by prominent names such as Yahoo, IBM, Amazon, Adobe, AOL, Facebook and Hulu just to name a few.

### **Session #17 : Scala Tricks by Venkat Subramaniam**

Scala is a very powerful hybrid functional pure object oriented language on the JVM. Scala is known for its conciseness and expressiveness. In this presentation we will look at some common tasks you do everyday in developing applications and see how they manifest in Scala.

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### **Session #18 : Design for Operations by Michael Nygard**

If your software fails in production, nobody will care how great the development project was, or how well the system passed QA. Production operations, the domain of your systems' least-appreciated stakeholders, is where the rubber meets the road. Come learn how to build your systems to thrive in Operations.

### **Session #19 : The Busy Java Developer's Guide to Advanced Collections by Ted Neward**

Once you've learned the core Collections classes, you're done, right? You know everything there is to know about Collections, and you can "check that off" your list of Java packages you have to learn and know, right? **Prerequisite:** *Busy Java Developer's Guide to Collections*

### **Session #20 : SPARQL : Querying the Web of Data by Brian Sletten**

The human-friendly Web is about nicely-formatted, accessible content for users to browse. There are emerging Data Webs (both public and private) that rely on technologies from the Semantic Web stack to link increasingly rich connections between various data sources. SPARQL and RDF are the main tools for expressing and using this connectivity. This talk will introduce you to one of these topics and the practical and accessible aspects of employing them on the Web and in the Enterprise. Getting people to come to consensus on common models and schemas is usually the hardest part of any data integration strategies. These technologies help lower the bar on both the technical and social costs of stepping up your integration strategies.

10:30 - 11:00 AM : BREAK

11:00 - 12:30 PM - Sessions

### **Session #21 : iBeans: The Simplest Service Integrations You've Ever Implemented by Matthew McCullough**

No app is an island nowadays and your bleeding edge Java & JavaScript apps demand that you integrate with Facebook, Amazon, Gmail, Google Search, Twitter or S3 just to name a few. Make your next integration project a breeze by leveraging the successful work of others from the iBeans Central repository, or if necessary, simply author a new iBean and contribute it back for the benefit of all. iBeans a new ultra-light service integration framework written in Java, but targeting both Java and JavaScript. It provides a centralized mechanism for community contributions of beans to the most commonly used services such as Twitter, Flickr, Gmail and more.

### **Session #22 : Transforming to Groovy by Venkat Subramaniam**

Groovy is a elegant, dynamic, agile, OO language. I like to program in Groovy because it is fun and the code is concise and highly expressive. Writing code in a language is hardly about using its syntax, however. It is about using the right idioms. Come to this section to pick up some nice Groovy idioms. **Prerequisite:** *Some knowledge of Groovy is helpful but not required.*

### **Session #23 : Concurrency Revolution: The Hardware Story by Brian Goetz**

Do software developers need to know anything about CPU architecture? They do if they aspire to be performance experts. Modern CPUs behave almost nothing like the sequential Von Neumann machine model we know and love. This session provides an overview of the architecture of modern CPUs, how this has changed in recent years, and what the implications are for software development and performance management.

### **Session #24 : Practical Agile Database Development by Tim Berglund**

Do your team's agile practices extend to the database? Agile methods are fairly well-understood as they apply to code, but these principles are not commonly understood or practiced on the databases that typically accompany enterprise software projects. Learn the tools, techniques, and mindset your team needs to make incremental improvements to the database's design over time with confidence.

### **Session #25 : Semantic SOA : Meaningful Service Strategies by Brian Sletten**

The goal for web services was always to reduce our burden by increasing the potential for reuse of business functionality. Somehow, we got lost along the way in a morass of confusing, unfulfilling and downright broken technologies. While we are interested in pursuing REST-based systems for managing information, we need some strategies for tying it all together sensibly. If we abandon WSDL, SOAP and UDDI, what do we replace them with? This talk will walk you through combining resource-oriented strategies with technologies from the Semantic Web to describe, find, and bind to services in dynamic, flexible and extensible ways. We will start to blur the distinction between data, documents, services and focus on information and how it is connected to what we already know. **Prerequisite:** *The Semantic Web: The Future Now, Give it a REST and SPARQL : Querying the Data Web would all be helpful talks to have attended*

12:30 - 1:30 PM : LUNCH

1:30 - 3:00 PM - Sessions

### **Session #26 : Migrating to Maven 3.0 by Matthew McCullough**

Explore what's new on the cutting edge release of Maven, version 3.0. We'll explore the performance improvements, features that make debugging Maven issues easier, and changes to POMs that may require modifications to your build, but will result in more determinate build outputs.

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### **Session #27 : Third time's a charm: What's new in Spring 3.0 by Craig Walls**

In this session, I'll lead a guided tour through the latest that Spring has to offer. Whether you're a Spring veteran or a Spring newbie, there will be something new for nearly everyone.

### **Session #28 : Towards a Universal VM by Brian Goetz**

The success of the Java platform is powered by the Java Virtual Machine (JVM), which many people assume is tied to the Java programming language. In fact, 100+ programming languages are hosted on the JVM, including JavaFX, JRuby, Jython, Groovy, Clojure, and Scala. A key implementation challenge is to make code written in non-Java languages run as fast as code written in the Java language.

### **Session #29 : Slaying the Legacy Dragon: Practical Lessons in Replacing Old Software by Tim Berglund**

It's a given that everyone hates the legacy application and wants to replace it. You're tired of the brittle, untested code, the outdated frameworks, the platform nobody cares about anymore. You want to apply current practices and the productivity gains of today's tools. Usually this is just a frustrated dream, but every once in a while, you actually get to do it. That's great news, but it raises a question: how do you...do that?

### **Session #30 : DSLs in Scala: Internal and External by Michael Nygard**

We're no longer working in a single language. Programming today is about both consuming and creating languages. We've all heard a lot about domain specific languages (DSLs). So much so, in fact, that it seems like more people are talking about it than doing it. In this session, Michael will present a real domain with familiar problems. He'll then demonstrate both an internal DSL and an external DSL that solve the same problem. Along the way, we'll cover fluent interfaces, composing multiple DSLs, and the very cool parser combinators. If you've ever left a DSL talk wondering when we're ever going to get past the "coffee ordering DSL" or the "Waffle House breakfast DSL", then you will want to see this session. *Prerequisite: None.*

3:00 - 3:15 PM : BREAK

3:15 - 4:45 PM - Sessions

### **Session #31 : Enterprise Security API library from OWASP by Ken Sipe**

When it comes to cross cutting software concerns, we expect to have or build a common framework or utility to solve this problem. This concept is represented well in the Java world with the loj4j framework, which abstracts the concern of logging, where it logs and the management of logging. The one cross cutting software concern which seems for most applications to be piecemeal is that of security. Security concerns include certification generation, SSL, protection from SQL Injection, protection from XSS, user authorization and authentication. Each of these separate concerns tend to have their own standards and libraries and leaves it as an exercise for the development team to cobble together a solution which includes multiple needs.... until now... Enterprise Security API library from OWASP.

### **Session #32 : Introducing Spring Roo: From Zero to Working Spring Application in Record Time by Craig Walls**

In this session we'll see how to swiftly develop Spring applications using Spring Roo. We'll start with an empty directory and quickly work our way up to a fully functioning web application. You'll see how Roo handles a lot of heavy-lifting that you'd normally have to do yourself when working with Spring. And we'll stop at a few scenic points along the way to see how Roo accomplishes some of its magic.

### **Session #33 : Stupid JIT Tricks by Brian Goetz**

Ever wondered what happens to your bytecodes when they're executed by a Java Virtual Machine? This talk provides a peek "under the hood" of modern JVMs, exploring dynamic compilation, speculative optimization, garbage collection, and some hardware-specific optimizations.

### **Session #34 : MongoDB by Ted Neward**

MongoDB is designed for problems without heavy transactional requirements that aren't easily solved by traditional RDBMSs, including problems which require the database to span many servers. Like other document-oriented database systems such as CouchDB, MongoDB is not a relational database management system. The database manages collections of JSON-like documents which are stored in a binary format referred to as BSON.

### **Session #35 : Decision Making in Software Teams by Tim Berglund**

Alistair Cockburn has described software development as a game in which we choose among three moves: invent, decide, and communicate. Most of our time at No Fluff is spent learning how to be better at inventing. Beyond that, we understand the importance of good communication, and take steps to improve in that capacity. Rarely, however, do we acknowledge the role of decision making in the life of software teams, what can cause it to go wrong, and how to improve it.

4:45 - 5:45 PM : REFACTORING BIRDS OF A FEATHER SESSION

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### Sunday, Feb. 28

8:00 - 9:00 AM : BREAKFAST

9:00 - 10:30 AM - Sessions

#### Session #36 : XSS-Proof by Ken Sipe

Companies have focused for years to solidify the back-end infrastructure in defense against hacking attempts. Most companies however are forced to open up many ports including port 80 (http) for users to access web applications among other resources. This has led to web attacks growing to be the #1 classification of hacker attacks today. In this space Cross Site Scripting (XSS) is the #1 ranked vulnerability affecting a large number of sites. This evolution requires that the understanding of securing an application move beyond sys admins and incorporate all aspects of system delivery for the protection of a system and system resources.

#### Session #37 : Git Going with Distributed Version Control by Matthew McCullough

Many development shops have made the leap from RCS, Perforce, ClearCase, PVCS, CVS, BitKeeper or SourceSafe to the modern Subversion (SVN) version control system. But why not take the next massive stride in productivity and get on board with Git, a distributed version control system (DVCS). Jump ahead of the masses staying on Subversion, and increase your team's productivity, debugging effectiveness, flexibility in cutting releases, and repository redundancy at \$0 cost. Understand how distributed version control systems are game-changers and pick up the lingo that will become standard in the next few years. **Prerequisite:** *Basic understanding of Subversion or similar version control system*

#### Session #38 : 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 #39 : jQuery: Ajax Made Easy by Nathaniel Schutta

Sure, Ajax might not be the hardest thing you'll have to do on your current project, but that doesn't mean we can't use a little help here and there. While there are a plethora of excellent choices in the Ajax library space, jQuery is fast becoming one of the most popular. In this talk, we'll see why. In addition to it's outstanding support for CSS selectors, dirt simple DOM manipulation, event handling and animations, jQuery also supports a rich ecosystem of plugins that provide an abundance of top notch widgets. Using various examples, this talk will help you understand what jQuery can do so you can see if it's right for your next project.

#### Session #40 : Aspect Oriented Programing With Spring AOP by Jeff Brown

Aspect-Oriented Programming (AOP) complements Object-Oriented Programming (OOP) by providing another way of thinking about program structure. The key unit of modularity in OOP is the class, whereas in AOP the unit of modularity is the aspect. Aspects enable the modularization of concerns such as transaction management that cut across multiple types and objects. (Such concerns are often termed crosscutting concerns in AOP literature.)

10:30 - 11:00 AM : MORNING BREAK

11:00 - 12:30 PM - Sessions

#### Session #41 : Agile Velocity by Ken Sipe

The agile development process is all about early and often feedback. One aspect of feedback is how is the team doing... Are we accurate in our estimates? Are we consistent in our velocity? As velocity varies, what is it telling me?

#### Session #42 : Cloud Computing Boot Camp on the Google App Engine by Matthew McCullough

Cloud this, cloud that. It's all we are hearing about these days. And whether buzz-worthy or not, you need to get in-the-know so that you can talk effectively about how this could fit into the application strategy on your next project. Leverage 100s of hours of research distilled into a 90 minute presentation. Get bootstrapped with what cloud computing is and isn't, who the players are in this space, what unique features each offers, and then how Google is completely changing the game.

#### Session #43 : Are All Web Applications Broken? by Brian Goetz

Many developers believe that web frameworks "take care of" the details of concurrency, but this is only because most web applications make limited use of state. Stateful web applications also need to be careful about hazards like races. This talk will use the Java Memory Model to analyze common patterns of state management in web applications. **Prerequisite:** *The Java Memory Model*

#### Session #44 : JavaScript Beyond the Basics by Nathaniel Schutta

JavaScript is one of the most widely used languages around and yet its also one of the most misunderstood. With Ajaxified UIs becoming the norm, this humble language is once again at the forefront.

#### Session #45 : Grails - How to Build Enterprise Apps by Jeff Brown

Grails represents technology that offers 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

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integrated to help provide a consistent presentation across the entire application. GORM is super powerful ORM. Grails provides simple mechanisms for leveraging the power of Ajax.

12:30 - 1:15 PM : LUNCH

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

2:15 - 3:45 PM - Sessions

### **Session #46 : Enter The Gradle by Ken Sipe**

First in the Java Build space there was ANT, and there was a reliable way to build without an IDE. Then there was Maven, which provided standardization in build life-cycles and dependency management. Now... Enter the Gradle, which provides convention over configuration approach to the build process and an approach at building that isn't based XML. **Prerequisite:** *Some Groovy helpful*

### **Session #47 : Modular Java: An Introduction to OSGi by Craig Walls**

Contrary to what you may have heard, OSGi is neither complex, nor heavyweight. In this session, I'll show you how OSGi can actually simplify application development rather than complicate it. We'll look at the benefits of modularity, the fundamentals of OSGi, and see how to develop basic OSGi bundles. We'll also see how a few gadgets in the OSGi toolbox can ease the development of OSGi bundles.

### **Session #48 : SoapUI for testing SOAP and Restful web services by Rohit Bhardwaj**

SoapUI is an Open Source Web Service Testing Tool for Service Oriented Architecture made for the Software Developers and Testers. Its functionality mainly covers Web Service Inspection, Invoking, Development, Simulation and Mocking, Functional testing, Load and Compliance testing. Productivity enhancement features can be found in the soapUI pro version. SoapUI is the premiere open-source web service testing tool with over 50000 users worldwide. We will explore few online services like Amazon Web Services. This presentation will show you how to supercharge your web service development and testing efforts: • fast inspection and invocation of web services • validation of contracts, messages and message-exchanges • tool-integrations for all major web service frameworks • powerful functional testing with extensive groovy support • instant simulation/mocking of any web service with groovy support • requirements-driven load-testing **Prerequisite:** *none*

### **Session #49 : Agile UI by Nathaniel Schutta**

Some developers assume that agility and usability are mutually exclusive - in reality, they are extremely complimentary; if you squint, you might have a hard time telling the difference between agile practices and good user interface design. This usability talk is aimed squarely at developers giving you the tools you need to develop UIs that won't make your users yack. We'll discuss the importance of observation, personas, paper prototyping, usability testing and the importance of good moderators. In addition, we'll map the various aspects of user interface design to a typical agile iteration.

### **Session #50 : GORM Inside And Out by Jeff Brown**

GORM is a super powerful ORM tool that makes ORM simple by leveraging the flexibility and expressiveness of a dynamic language like Groovy. With GORM developers get access to all of the power and flexibility of an ORM tool like Hibernate without any of the complexity. **Prerequisite:** *Advanced Grails*

3:45 - 4:00 PM : BREAK

4:00 - 5:30 PM - Sessions

### **Session #51 : So you want to be an Architect by Ken Sipe**

This session is a quick look at all aspects of being a corporate software architect. Whether you are a developer looking to move into the role of architect, needing to have an understanding of what is expected or already in the role of software architect looking for new and interesting ideas, this session is for you.

### **Session #52 : Beyond JUnit: Powertools for Test-Driven Development by Craig Walls**

Writing tests is more than just writing JUnit test cases and hoping that they'll pass when your project is built. If you want assurance that your code is sound and provides the desired functionality, then you'll want to test it from every angle and run those tests as frequently as possible.

### **Session #53 : Android mobile application development: Cool apps that surprise and delight mobile users—built by developers like you by Rohit Bhardwaj**

Android is a software stack for mobile devices that includes an operating system, middleware and key applications. Cool apps that surprise and delight mobile users—built by developers like you—are a huge part of the Android vision. In this presentation we will explore many examples of android. **Prerequisite:** *none*

### **Session #54 : Hacking Your Brain for Fun and Profit by Nathaniel Schutta**

The single most important tool in any developers toolbox isn't a fancy IDE or some spiffy new language - it's our brain. Despite ever faster processors with multiple cores and expanding amounts of RAM, we haven't yet created a computer to rival the ultra lightweight one we carry around in our skulls - in this session we'll learn how to make the most of it. We'll talk about why multitasking is a myth, the

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difference between the left and the right side of your brain, the importance of flow and why exercise is good for more than just your waist line.

### **Session #55 : Polyglot Web Programming With Grails by Jeff Brown**

Grails is one of the most flexible and most powerful frameworks on The Java Platform. Grails leverages the flexibility offered by the platform in a way that other web frameworks do not. Grails is a fantastic platform for polyglot web programming. **Prerequisite:** *Advanced Grails*