

Northern Virginia Software Symposium

Sheraton Reston
Apr 30 - May 2, 2010

The No Fluff Just Stuff Java Symposium Series is proud to announce the return of the Northern Virginia Software Symposium on Apr 30 - May 2, 2010. NVSS2010SE will be held at the Sheraton Reston.

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 NVSS2010SE

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: \$850/person good thru 4/5/10 after \$950

Excellent Group Discounts Available - bring your entire development team to the show - no travel required!! Rate good thru 4/5/10

Registration Fees

Attendees	Before Apr. 5, 2010	After Apr. 5, 2010
5-9	\$750	\$850
10-14	\$725	\$825
15-24	\$700	\$800
25+	\$675	\$775

Go to <http://www.nofluffjuststuff.com/conference/reston/2010/04/home> and register today!

Northern Virginia Software Symposium

Sheraton Reston
Apr 30 - May 2, 2010

Fri, Apr. 30, 2010						
	1	2	3	4	5	6
12:00 - 1:00 PM	REGISTRATION					
1:00 - 1:15 PM	WELCOME					
1:15 - 2:45 PM	Concurrency Revolution: The Hardware Story Brian Goetz	CDI (JSR-299), Weld and the future of Seam Dan Allen	Encryption on the JVM: Boot Camp Matthew McCullough	The Busy Java Developer's Guide to Collections Ted Neward	Implementing Evolutionary Architecture Neal Ford	Agility as a Tool: Getting Ready to Iterate David Hussman
2:45 - 3:15 PM	BREAK					
3:15 - 4:45 PM	Towards a Universal VM Brian Goetz	Real Java EE testing with Arquillian and ShrinkWrap Dan Allen	Encryption on the JVM: Advanced Techniques Matthew McCullough	The Busy Java Developer's Guide to Functional Java Ted Neward	Emergent Design Neal Ford	What Stops You From Delivering? : Flow and the Theory of Constraints David Hussman
4:45 - 5:00 PM	BREAK					
5:00 - 6:30 PM	Stupid JIT Tricks Brian Goetz	Seam & RESTEasy: You haven't seen REST yet Dan Allen	Hadoop: Divide and Conquer Gigantic Datasets (Intro) Matthew McCullough	The Busy Java Developer's Guide to Advanced Collections Ted Neward	Testing the Entire Stack Neal Ford	Redesigning Agility: Incorporating Design Thinking David Hussman
6:30 - 7:15 PM	DINNER					
7:15 - 8:00 PM	Keynote: Neal Ford - "Smithing in the 21st Century"					

Sat, May. 01, 2010						
	1	2	3	4	5	6
8:00 - 9:00 AM	BREAKFAST					
9:00 - 10:30 AM	The Java Memory Model Brian Goetz	Grails - How to Build Enterprise Apps Jeff Brown	Hadoop: Divide and Conquer Gigantic Datasets (Advanced) Matthew McCullough	Pragmatic Architecture Ted Neward	Open Source Business Intelligence Part I Tim Berglund	Agile Engineering Practices Neal Ford
10:30 - 11:00 AM	BREAK					
11:00 - 12:30 PM	Are All Web Applications Broken? Brian Goetz	GORM Inside And Out Jeff Brown	iBeans: The Simplest Service Integrations You've Ever Implemented Matthew McCullough	Architect for Scale Michael Nygard	Open Source Business Intelligence Part II Tim Berglund	Coaching Agility into Organizations: Success over Dogma David Hussman
12:30 - 1:30 PM	LUNCH					
1:30 - 3:00 PM	Third time's a charm: What's new in Spring 3.0 Craig Walls	Polyglot Web Programming With Grails Jeff Brown	Migrating to Maven 3.0 Matthew McCullough	The Busy Java Developer's Guide to Scala: Basics Ted Neward	Software Architecture for the Cloud Michael Nygard	Practical Agile Database Development Tim Berglund
3:00 - 3:15 PM	BREAK					
3:15 - 4:45 PM	Building RESTful Applications with Spring MVC Craig Walls	Aspect Oriented Programming With Spring AOP Jeff Brown	HTML 5 ... and the Kitchen Sink Brian Sletten	The Busy Java Developer's Guide to Scala: Patterns Ted Neward	High Performance Persistence with Redis Michael Nygard	Decision Making in Software Teams Tim Berglund
4:45 - 5:30 PM	300 Sessions					

Sun, May. 02, 2010						
	1	2	3	4	5	6
8:00 - 9:00 AM	BREAKFAST					
9:00 - 10:30 AM	That old Spring magic has me in its SpEL: DI Wizardry with the Spring Expression Language Craig Walls	Enterprise Security API library from OWASP Ken Sipe	REST : Information-Driven Architectures for the 21st Century Brian Sletten	Cloud computing deep dive for Google App Engine and Amazon EC2 Rohit Bhardwaj	The Art of the Spike Aaron Bedra	Design for Operations Michael Nygard
10:30 - 11:00 AM	MORNING BREAK					
11:00 - 12:30 PM	Modular Java: An Introduction to OSGi Craig Walls	Enter The Gradle Ken Sipe	RDFa : Weaving Richness and Meaning in the Web Brian Sletten	Enterprise Security, Privacy and Data compliance in Cloud computing Rohit Bhardwaj	JRuby in Practice Aaron Bedra	The Agile Guerilla Matt Stine
12:30 - 1:15 PM	LUNCH					
1:15 - 2:15 PM	EXPERT PANEL DISCUSSION					
2:15 - 3:45 PM	Tracer Bullet Development with OSGi Matt Stine	Introducing Spring Roo: From Zero to Working Spring Application in Record Time Craig Walls	SPARQL : Querying the Web of Data Brian Sletten	SoapUI for testing SOAP and Restful web services Rohit Bhardwaj	Debugging your Production JVM Ken Sipe	Maintaining Source Code Quality (The Project Integrity Series) David Bock
3:45 - 4:00 PM	BREAK					
4:00 - 5:30 PM	Polyglot OSGi Matt Stine	Agile Velocity Ken Sipe	Semantic SOA : Meaningful Service Strategies Brian Sletten	Android mobile application development: Cool apps that surprise and delight mobile users—built by developers like you Rohit Bhardwaj	Programming Clojure Aaron Bedra	Managing Complexity (The Project Integrity Series) David Bock

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-Session Schedule-

(event schedule as of April 28, 2010)

Friday, Apr. 30

12:00 - 1:00 PM : REGISTRATION

1:00 - 1:15 PM : WELCOME

1:15 - 2:45 PM - Sessions

Session #1 : 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 #2 : CDI (JSR-299), Weld and the future of Seam by Dan Allen

This talk introduces JSR-299: Contexts and Dependency Injection for the Java EE platform (CDI), the new Java standard for dependency injection and contextual lifecycle management. The talk covers the core programming model, explains its relationship to EJB 3.1 and JSF 2.0, and clarifies how it unifies and enhances the Java EE platform as a whole (extending to JPA, JAX-RS and JMS). You are then introduced to Weld, the JSR-299 reference implementation, and its servlet container extension. Finally, we look ahead at how a modularized Seam 3 ties into this new foundation as a set of portable CDI extensions, previewing several examples.

Session #3 : 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 #4 : 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.

Session #5 : Implementing Evolutionary Architecture by Neal Ford

This talk describes an agile approach to architecture, and merges the current state-of-the-art thinking in both service oriented architectures(SOA) and web-based architectures like HTTP, REST, and hypermedia.

Session #6 : Agility as a Tool: Getting Ready to Iterate by David Hussman

Many people simplistically apply agile recipes, assuming a one size fits all approach. This may lead to naive use beliefs like collocation breeds instant success. While sitting together always helps, it does not mean that people spontaneously collaborate to create sustainable value. Instead of approaching agile methods like a recipe, this session will teach you to design agility that is a useful tool for your project community. We will cover practice selection ideas, tools for creating healthy development eco-systems and product discover tools. If you would like to improve the stickiness of your agility, stop in learn a pile of techniques to use before holding your first planning session.

2:45 - 3:15 PM : BREAK

3:15 - 4:45 PM - Sessions

Session #7 : 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 #8 : Real Java EE testing with Arquillian and ShrinkWrap by Dan Allen

Unit tests and mocks can only take you so far. Eventually, you'll want to see how your components behave in the real runtime environment, a style of testing referred to as integration testing. This talk introduces Arquillian, an extension for TestNG and JUnit that can be used to validate the behavior of managed and enterprise beans or POJOs that rely on enterprise services just as easily as writing a unit test. Attend this talk to learn how to do real Java EE testing.

Session #9 : 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*

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Session #10 : 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 #11 : Emergent Design by Neal Ford

Emergent design is a big topic in the agile architecture and design community. This session covers the theory behind emergent design and shows examples of how you can implement this important concept. **Prerequisite:** *understanding of architectural and design concepts*

Session #12 : What Stops You From Delivering? : Flow and the Theory of Constraints by David Hussman

What stops you from delivering to your customers and what truly prevents incremental learning in your project community? How much of it lies in coding issues? Do you even need to write code to learn where to go or how to get there? For many companies, being agile means producing working code from an iteration. While working code is a measure of progress, and provides a tool to validate success, it is not always your best investment. Your best investment lies in combining 1) what helps you learn about your product and your market and 2) what you need to do to deliver it, and what is constraining either of these.

4:45 - 5:00 PM : BREAK

5:00 - 6:30 PM - Sessions

Session #13 : 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 #14 : Seam & RESTEasy: You haven't seen REST yet by Dan Allen

JSR-311 (JAX-RS) is one of the simplest, most elegant of all the Java EE specifications and is showing early signs of becoming an overwhelming success. It lets you to create RESTful web services from existing Java EE components by sprinkling a handful of annotations over it. But the downside is that the resource must be a Java EE component. Seam's RESTEasy module allows you to use JAX-RS annotations on your existing Seam components, giving your web services access to the Seam container and, dually, an alternate interface to your Seam application.

Session #15 : 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 #16 : 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 #17 : Testing the Entire Stack by Neal Ford

This talk covers testing the entire stack: unit, integration, functional, behavior-driven, databases, user acceptance, mocking & stubbing, and other topics and strategies. **Prerequisite:** *Confusion about what to test when and where*

Session #18 : Redesigning Agility: Incorporating Design Thinking by David Hussman

Design tends to mean one thing to developers and another thing to designers. The latter group are product designers and are not aware of the structure of the code. The hipsters in the agile community are trying to blend product design into the process of coding and delivering software. This session discusses what to do after your agility is flowing, or post agilism: imagine you using agile methods successfully, what's next?

6:30 - 7:15 PM : DINNER

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7:15 - 8:00 PM : Keynote: Neal Ford - "Smithing in the 21st Century"

Saturday, May. 1

8:00 - 9:00 AM : BREAKFAST

9:00 - 10:30 AM - Sessions

Session #19 : 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 #20 : 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 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.

Session #21 : Hadoop: Divide and Conquer Gigantic Datasets (Advanced) by Matthew McCullough

With the basics of Hadoop under your belt, we'll dig into the depths of this amazing framework by writing our own reducer in Java and deploying it to the cluster. Next, we'll dig deeper into DSLs like Pig and its log-file processing cousin, Chukwa. Since grid topology is intentionally very opaque in Hadoop, we'll look at the benefits and how to achieve a properly tuned cluster with replication. Specific to HDFS, we'll tune the configurable parameters for storage redundancy and bucket sizes. **Prerequisite:** *Hadoop: Divide and Conquer Gigantic Datasets (Intro)*

Session #22 : Pragmatic Architecture by Ted Neward

Building an application is not the straightforward exercise it used to be. Decisions regarding which architectural approaches to take (n-tier, client/server), which user interface approaches to take (Smart/rich client, thin client, Ajax), even how to communicate between processes (Web services, distributed objects, REST)... it's enough to drive the most dedicated designer nuts. This talk discusses the goals of an application architecture and why developers should concern themselves with architecture in the first place. Then, it dives into the meat of the various architectural considerations available; the pros and cons of JavaWebStart, ClickOnce, SWT, Swing, JavaFX, GWT, Ajax, RMI, JAX-WS, , JMS, MSMQ, transactional processing, and more.

Session #23 : Open Source Business Intelligence Part I 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 #24 : Agile Engineering Practices by Neal Ford

Most of the time when people talk about agile software development, they talk about project and planning practices and never mention actual development practices. This talk delves into best development practices for agile projects, covering all of its aspects.

Prerequisite: *Having worked in an organization that values bureaucracy more than individuals*

10:30 - 11:00 AM : BREAK

11:00 - 12:30 PM - Sessions

Session #25 : 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 #26 : 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*

Session #27 : 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

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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 #28 : 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 #29 : Open Source Business Intelligence Part II by Tim Berglund

Once you're familiar with the concepts of data warehousing, star schemas, cubes, and pivot tables, then it's time to dive in and look at how the tools really work. Continuing from the quick demos in Part I, in this talk we'll walk through the process of transforming a transactional database into a star schema, then we'll use an open-source analytics tool to build a "cube" with that schema. Concepts and procedures gently introduced in Part I will be explored more thoroughly, and new tooling will be introduced. **Prerequisite:** *Open Source Business Intelligence Part I (or a solid grasp of BI concepts)*

Session #30 : Coaching Agility into Organizations: Success over Dogma by David Hussman

If you want to introduce meaningful agility in your company, real change takes more than a few certification courses or one successful pilot project. Process that produces tangible results sticks while dogmatic preaching is short lived. If you are planning to grow agility that helps you produce better products and better code in meaningful timeframes, stop in and learn how to succeed and how to avoid common failures.

12:30 - 1:30 PM : LUNCH

1:30 - 3:00 PM - Sessions

Session #31 : 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 #32 : 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 polglot web programming. **Prerequisite:** *Advanced Grails*

Session #33 : 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.

Session #34 : The Busy Java Developer's Guide to Scala: Basics by Ted Neward

Scala is a new programming language incorporating the most important concepts of object-oriented and functional languages and running on top of the Java Virtual Machine as standard ".class" files. Sporting the usual object-oriented concepts as classes and inheritance, Scala also offers a number of powerful functional features, such as algebraic data types, immutable objects by default, pattern matching, closures, anonymous functions and currying, and more. Combined with some deep support for XML generation and consumption, Scala offers Java programmers an opportunity to write powerful programs with concise syntax for a new decade of Java programming.

Session #35 : 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 #36 : 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.

3:00 - 3:15 PM : BREAK

3:15 - 4:45 PM - Sessions

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Session #37 : Building RESTful Applications with Spring MVC by Craig Walls

In this session, we'll look at the latest features of Spring 3.0's MVC framework, with an emphasis on building RESTful web applications. You'll see how Spring 3.0's new `@PathVariable` annotation can be used to develop controllers that respond to resource-oriented RESTful URLs and how `ContentNegotiatingViewResolver` can turn a user-facing web application into a powerful web-based API. We'll explore other ways Spring 3.0 supports working with REST, including how to write REST clients.

Session #38 : Aspect Oriented Programming 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.)

Session #39 : 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.

Session #40 : The Busy Java Developer's Guide to Scala: Patterns by Ted Neward

Scala is a new programming language incorporating the most important concepts of object-oriented and functional languages and running on top of the Java Virtual Machine as standard "dot-class" files. Sporting the usual object-oriented concepts as classes and inheritance, Scala also offers a number of powerful functional features, such as algebraic data types, immutable objects by default, pattern matching, closures, anonymous functions and currying, and more. Combined with some deep support for XML generation and consumption, Scala offers Java programmers an opportunity to write powerful programs with concise syntax for a new decade of Java programming. **Prerequisite:** *The Busy Java Developer's Guide to Scala (Basics, Objects, Functions)*

Session #41 : 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 #42 : 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 - 5:30 PM : 300 Sessions

Sunday, May. 2

8:00 - 9:00 AM : BREAKFAST

9:00 - 10:30 AM - Sessions

Session #43 : That old Spring magic has me in its SpEL: DI Wizardy with the Spring Expression Language by Craig Walls

Spring 3.0 introduced the Spring Expression Language (SpEL), an extremely powerful yet succinct way to wire non-trivial values into Spring beans. In this presentation, we'll explore SpEL in great detail and see how SpEL opens up a whole new realm of bean wiring possibilities.

Session #44 : 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.

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Session #45 : 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.

Session #46 : Cloud computing deep dive for Google App Engine and Amazon EC2 by Rohit Bhardwaj

In this session we will take a deep dive at few cloud computing examples from real world and participants will be able to know how to use cloud computing for Google App Engine, Amazon EC2 and few others.

Session #47 : The Art of the Spike by Aaron Bedra

Exploring new technologies can be both challenging and rewarding. A good spike can make or break a new feature for your application. Have you ever thought that a technology or practice your company isn't currently using is the perfect fit for your next iteration? This is your time to shine! In this session you will learn how to treat new technologies as first class citizens and prove that they fit your needs. You will also learn how to provide concrete evidence supporting your decision. By the end of this session your fear of introducing new technology will simply melt away.

Session #48 : 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.

10:30 - 11:00 AM : MORNING BREAK

11:00 - 12:30 PM - Sessions

Session #49 : 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 #50 : Enter The Gradle by Ken Sipe

In the Java build space, first there was ANT, which provided 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 #51 : 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.

Session #52 : Enterprise Security, Privacy and Data compliance in Cloud computing by Rohit Bhardwaj

Data integrity, security, recovery, privacy and regulatory compliance are most important attributes for enterprise cloud implementation. Enterprise customers ask for transparency in how the vendors will provide security programs. Many question need to be asked for any cloud implementation to policy makers, architects, coders and testers. In this presentation we will explore data security and storage, privacy and data compliance issues. We will explore the security management in cloud. Presentation is useful for anyone starting from Executives to developers who are going to implement the enterprise cloud.

Session #53 : JRuby in Practice by Aaron Bedra

Ruby has made a significant upward trend in the past few years. Alongside this trend Charles Nutter and the fantastic JRuby team have implemented a version of Ruby that runs on the JVM giving you the power of Ruby coupled with the advantages of running on the JVM. Come see for yourself how you can harness the power of rapid development in Ruby and still maintain all the Java interoperability you need to help you build on top of your existing systems.

Session #54 : The Agile Guerilla by Matt Stine

So you discovered agile software development this weekend. You've finally found the tools that you're going to use to fix your team. Do you rush in to work Monday morning with a slide deck in one hand and a baseball bat in the other, ready to bludgeon the first person who checks in untested code? How do you think that's going to work out for you? I can tell you from personal experience that it doesn't play out too well. There is a better way.

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-Session Schedule-

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12:30 - 1:15 PM : LUNCH

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

2:15 - 3:45 PM - Sessions

Session #55 : Tracer Bullet Development with OSGi by Matt Stine

Tracer Bullet Development (TBD) is a technique that allows you to prove out the proposed architecture of your system by firing a "tracer bullet" through a vertical slice of your system that exercises all of its horizontal components. It has multiple benefits, including encapsulation, decoupled code, parallel code development, and more. OSGi is a specification for a dynamic module system for Java with multiple open source implementations. It allows you to modularize your system into "bundles" which essentially firewall their own classloader space. Objects running within a bundle can only see types that they explicitly import and only expose types that they explicitly export. They interact with other bundles by expose and consuming services which are registered under a public interface. It seems that Tracer Bullet Development and OSGi are a match made in heaven!

Session #56 : Introducing Spring Roo: From Zero to Working Spring Application in Record Time by Craig Walls

In this example-driven 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 #57 : 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.

Session #58 : 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 #59 : Debugging your Production JVM by Ken Sipe

So your server is having issues? memory? Connections? Limited response? Is the first solution to bounce the server? Perhaps change some VM flags or add some logging? In today's Java 6 world, with its superior runtime monitoring and management capabilities the reasons to bounce the server have been greatly reduced.

Session #60 : Maintaining Source Code Quality (The Project Integrity Series) by David Bock

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

3:45 - 4:00 PM : BREAK

4:00 - 5:30 PM - Sessions

Session #61 : Polyglot OSGi by Matt Stine

One of the greatest benefits of OSGi is its firewall-esque encapsulation of implementation details. The only traffic that gets in or out is the traffic that you explicitly specify; otherwise, all bets are off. The aspiring polyglot can bring in the right tool for the right job by hiding it behind OSGi services as an "implementation detail," provided that only Java language types are exported.

Session #62 : 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?

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(event schedule as of April 28, 2010)

Session #63 : 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*

Session #64 : 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 #65 : Programming Clojure by Aaron Bedra

Find out why Clojure is Java.next * Clojure provides clean, fast access to all Java libraries * Clojure provides all the low-ceremony goodness you know and love from dynamic languages * Clojure includes Lisp's signature feature: Treating code as data through macros. * Clojure's emphasis on immutability and support for software transactional memory make it a viable option for taking advantage of massively parallel hardware.

Session #66 : Managing Complexity (The Project Integrity Series) by David Bock

How many times have you started a new project only to find that several months into it, you have a build process that mysteriously fails, a bunch of 'TODO' and 'FIXME' comments in the source, and problems that come and go because "it works on my machine"? Does your project have a little bit of 'folk wisdom' that isn't well-known, but is necessary to get things done? How easily could you recreate your development environment if you got a new machine today?