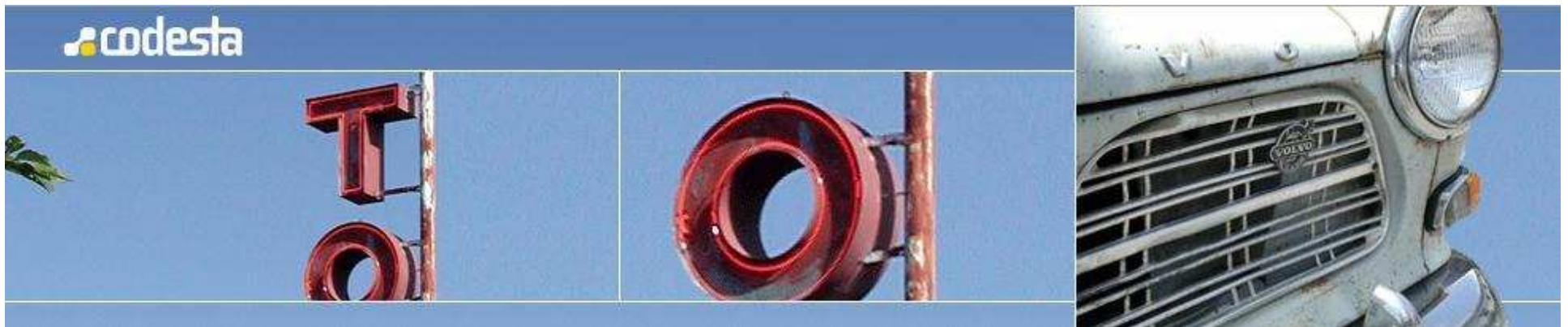


Java in Action Track Introduction

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Rod Johnson

Configuring the Spring Container

Topics:

- The philosophy behind the Spring container
- How Metadata is used in Spring
- Using XML to configure Spring
- Alternatives to XML configuration:
 - Properties files
 - Spring Annotations
 - Component scanning
 - Spring JavaConfig
 - Programmatic configuration
 - Scripting language configuration
 - Mix-and-match
- Recommendations



Cedric Beust and Alexandru Popescu
Designing for Testability

Topics:

- Interesting features of TestNG
 - Grouping of tests
 - Data Providers for tests
 - Dependency handling for tests which depend on other tests
- Designing easily-testable code
 - Eliminating statics
 - Extreme encapsulation
 - Thoughts about Test-Driven Development (TDD)



Brian Goetz

Concurrency, Past and Present

Topics:

- Why is concurrency hard?
- Concurrency problems and solutions:
 - Incorrect synchronization
 - Race conditions
 - Deadlock
- Asynchrony
- Threading
- Alternatives:
 - Functional languages and immutability
 - Explicit concurrency through message passing
 - Single mutation (write-once)
- Recommendations
- The Future



Adrian Colyer
AOP in the Enterprise



Topics:

- Where should Aspect-Oriented Programming (AOP) be used?
- Matching your requirements to your implementation:
 - Transactionality in the service layer
 - Hibernate exception translation
 - Retrying business services that fail due to concurrency issues
 - Service layer should not call the web layer
- AOP mechanisms in Spring 2.5
 - AspectJ
 - bean() pointcut
 - autodetection of AspectJ weaving



Panel: What will the Future
of Java Development be?

Speakers:

- Rod Johnson, Interface21 CEO, creator of Spring
- Joshua Bloch, Senior Google Engineer
- Erik Meijer, Senior Microsoft Engineer, creator of LINQ
- Charles Nutter, Senior Sun Engineer, creator of JRuby
- Chet Haase, Senior Sun Engineer, on Java 7 dev team

Enjoy your day!!!

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