

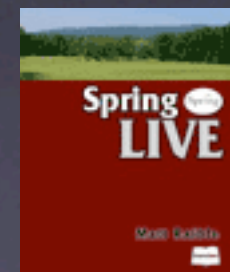
# Developing webapps faster with AppFuse

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# Who is Matt Raible?

- Developing websites since 1994 (before Netscape 1.0) -  
Developing in Java since 1999
- Committer on several open source projects: Roller  
Weblogger, Struts Menu, Display Tag, AppFuse, Struts  
Resume
- Have a weblog (<http://raibledesigns.com>) with tips n' tricks  
for J2EE and web development
- Author: Spring Live (SourceBeat) and contributor to  
Pro JSP (Apress)



# Audience Questions

- Your Experience with webapps?
- What do you want to get from this presentation?
- Open Source experience with Ant, XDoclet, Struts, Hibernate, Spring?

# Presentation Agenda

- What is AppFuse?
- Open Source Dependencies
- Demo of Features
- HowTo: Create Person object and DAO to persist
- Questions?

# AppFuse - what is it?

- History - how it came to be
- Powered by Ant, glued together with Spring, persisted by Hibernate and controlled with Struts
- Easy setup (ant setup) for Tomcat and MySQL
- Testing on all tiers: DAOs, Business Delegates, Struts Actions and JSPs

# Dependencies

Name
ant-contrib-0.5
checkstyle-3.1
clickstream-1.0.1
countrytag-1.6
dbunit-2.0
displaytag-1.0-b3
hibernate-2.1.2
j2sdkee1.4
jakarta-cactus-1.3-1.6-20040119
jakarta-log4j-1.2.8
jakarta-struts-20031202
jakarta-taglibs
▶ standard-1.0.5
java2html-1.3.1
junit3.8.1
JUnitDoclet.1.0.2
mysql-connector-java-3.0.11-stable
pmd-1.2
spring-1.0
statetag-1.6
struts-menu-2.2
strutstest-2.1
velocity-1.4-rc1
webtest-build432
xdoclet-1.2

# Demo of Features

- Container Managed Authentication - easily switch from JDBC to LDAP or Windows domain authentication
- Remember Me and Self Registration
- GZip Compression Built-in
- Testing environment ready to go, Anthill ready
- <http://demo.raibledesigns.com/appfuse>

# Create database, table, POJO and DAO

A Quick HowTo



# Development Environment Setup

- Use instructions at: <http://raibledesigns.com/wiki/Wiki.jsp?page=DevelopmentEnvironment>
- Recommended Tools: Eclipse 3.0 M8, JDK 1.4.2, Tomcat 5.0.19, Ant 1.6.1, MySQL 4.0.18
- OS X: IntelliJ IDEA, BBEdit, Cocoa MySQL, Smart CVS
- Windows: HomeSite, TopStyle, Cygwin, Tortoise CVS, MySQL CC / Administrator

# Part I: Create database and table

- Create “appfuse” database with Ant
- Create Person.java POJO and generate Hibernate mapping file with XDoclet
- Configure Spring to be aware of Person object
- Create “person” table from POJO using Ant

# Part II: Create DAO

- What is a DAO?
- Create PersonDAOTest - *Test First!*
- Create PersonDAO Interface
- Create PersonDAOHibernate implementation class
- Configure PersonDAO in Spring
- Run JUnit Test

# Part III: More Tutorials

- Create PersonManagerTest, PersonManager interface and implementation class
- Configure in Spring and add declarative transactions
- Create PersonAction and JSPs (including Tiles and Validation)
- Online at <http://raibledesigns.com/appfuse/tutorials>

# AppFuse Roadmap

- Add MVC Framework options: Spring, WebWork, Tapestry and JSF
- Pipe Dreams: MyEclipse or Java Studio Creator Support
- Other things you'd like to see?

# Questions?

- AppFuse Official Homepage:
  - <http://raibledesigns.com/appfuse>
- AppFuse Demo:
  - <http://demo.raibledesigns.com/appfuse>
- This Presentation:
  - <http://raibledesigns.com/downloads/AppFuse-OJUG.pdf>