

Applications Architect / Senior Java Developer

Professional Summary

Jim is an experienced developer and applications architect who has been using object-oriented technology since 1992, preceded by 12 years of application development using artificial intelligence techniques, relational databases, structured languages, and functional languages. His understanding of alternative architectures leads to well-structured, maintainable code based on design patterns when appropriate and supported by automated unit tests. Jim has delivered:

- Requirements specifications, including stories, use cases, and UML models.
- Object-oriented designs.
- Framework classes and application infrastructure.
- Application code.
- Instruction and mentoring in development processes.

Technical Expertise

Languages: Java, JavaScript, JSP, Ruby, HTML, XML, XSLT, SQL, Prolog, C. Learning: Haskell, R.
Platforms: Unix, Windows, Mac OS X. Middleware: J2EE, Tomcat, Jetty, WebSphere 5, Oracle 9iAS, WebLogic Server, GemStone/J. DBMS: PostgreSQL, Oracle, DB2, MySQL, SQL Server.
Frameworks: Dropwizard, Spring Boot, Jersey, GWT, Struts, Hibernate, JMS, JBoss Rules, Rails.
Tools: IntelliJ IDEA, Eclipse, WebSphere Application Developer (WSAD), Rational Rose, ClearCase, Bugzilla, JIRA, AgileZen, Git, Subversion, CVS, Maven, Ant, Hudson, Jenkins, WinRunner, Ruby Mine.
Methodologies: Scrum, Use Cases, UML, Responsibility-Driven Design, RUP, Structured Analysis.

Professional Experience

Tyhurst Technology Group, LLC	3/00 - Present
Consultant to:	
NWEA, Portland, OR	2/16 - Present
Laomedon, Mountain View, CA	7/15 - 9/15
Evisions, Portland, OR	2/15 - 3/15
UTi Worldwide, Portland, OR	2/12 - 2/15
Jive Software, Portland, OR	9/11 - 2/12
Chrome Systems, Portland, OR	5/11 - 9/11
Sonian, Inc., Boston, MA	7/10 - 2/11
The Vanguard Group, Inc., Philadelphia, PA	7/08
SnapNames.com, Portland, OR	3/07 - 8/07
IntraLinks, Boston, MA	1/07
TelID, LLC, Portland, OR	3/06 - 4/07
Liberty Northwest Insurance, Portland, OR	3/04 - 3/06
US Bank, Portland, OR	10/03 - 3/04
NCI Information Systems, Inc., Fairview Heights, IL	8/02 - 9/03
StructuRad LLC, Encino, CA	5/03 - 6/03
WST Group, Inc., San Anselmo, CA	7/02 - 8/02
StructuRad LLC, Encino, CA	6/00 - 8/02
ToxWeb, Inc., Los Angeles, CA	9/00 - 3/01
Deloitte Consulting and XO Interactive, Inc., Broomfield, CO	3/00 - 10/00

Roles:

- Designed and developed new web applications from inception to maintenance: use cases, stories, JavaScript, JSPs, SPAs, Java services, Actions, business logic, database design, stored procedures, RESTful services.
- Enhanced existing B2C and B2B web applications.
- Designed and developed gateways to third party web services.
- Evaluated key architectural decisions with respect to industry-accepted best practices, in order to identify risks, benefits, and costs.

- Managed project requirements and test results for Fortune 50 OEM project team and software as a service (SaaS) development team, leading to production deployment.
- Specified development standards and procedures, including design documentation, source control, unit testing, and integration testing.
- Designed and developed an expert system to appraise inventory.
- Developed a natural language parser for domain names.
- Designed decision tree development tools and a reporting tool for medical applications.
- Mentored junior developers.

Industries represented by clients:

investment management, domain auctions, document management, advertising, insurance, transportation, medical, e-commerce, data publishing, social media, education.

Aravo Solutions

2/10 - 8/10

Senior Developer

San Francisco, CA and Portland, OR

- Enhanced an existing B2B web application for a market-leading supplier information management company.
- Refactored web application to follow JEE best practices in preparation for newer UI frameworks.
- Technologies: Java, Struts 1, GWT, Eclipse, JUnit, WebLogic, Subversion, Ant, Oracle 11g, SQL Developer, Bugzilla, Clearspace.

Oversee.net

8/07 - 11/09

Senior Developer

Los Angeles, CA and Portland, OR

- Enhanced an existing auction web application for a market-leading domaining company.
- Designed and developed a web service front end for an expert system.
- Developed architecture for a travel planning web site.
- Technologies: Java, Struts 2, GWT, Eclipse, JUnit, Hudson, Ivy, XML, Tomcat, Subversion, Ant, Oracle 11g, PL/SQL, Toad, Bugzilla.

Teaching

Designing Enterprise Java Applications: Best Practices

2009, 2012, 2013, 2014

Co-taught a six-day course in South Korea with Wirfs-Brock Associates, providing an overview of architecture and design principles with special reference to J2EE technologies and best practices.

Developing web service clients in Java

2008

Two-day course taught at Oregon Graduate Institute. The course discusses SOAP-based frameworks, RESTful services, POX over HTTP, and XML-RPC, including multiple techniques for parsing XML messages and several design patterns to improve maintainability and performance of web service clients.

Learning Java

2000 - 2007

Five-day introductory course taught at Oregon Graduate Institute.

University of Phoenix (online courses)

2000 - 2003

- "Fundamentals of Business System Development" (BSA 375) presents essential concepts of the software development lifecycle.
- "Business Systems Development II" (BSA 400) examines methodologies, tools, and standards used for enterprise-level business systems development.

Education

Ph.D. in Computational Linguistics

Dissertation title: "Logical Forms for English Sentences"

B.S. in Information and Computer Science

B.A. in Mathematics

Honors: Graduated *Cum Laude* in both bachelor's degrees.

University of California at Los Angeles

Committee chair: Edward L. Keenan

University of California at Irvine

Certified ScrumMaster

Sun Certified Programmer for Java 2 Platform

Detailed work history at: <http://www.linkedin.com/in/jimtyhurst/>

Volunteer: HackOregon.org Urban Development project

Twitter: @jimtyhurst

<http://github.com/jimtyhurst/>