

## **Mark A. Woodman**

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### ***SUMMARY***

Principal Software Engineer with 15+ years of software architecture, design and development. Team leader with full project life-cycle experience in Fortune 100 companies and the Department of Defense.

### ***TECHNICAL SKILLS***

#### **Languages and Technologies**

Java 5, Java Server Faces, Flex / Actionscript 3, PHP, JavaScript, SQL

#### **Web and Application Servers**

WebLogic, JBoss, Apache

#### **Databases**

Oracle, Microsoft SQL Server, MySQL, HSQLDB

#### **Development and Productivity Tools**

JDeveloper, IntelliJ IDEA, Eclipse, Ant, JUnit

### ***EXPERIENCE***

#### **Principal Software Engineer**

Oracle USA, Colorado Springs, CO

October 2009 to Present

- Member of development team for Oracle I/PM web application in the Enterprise Content Management (ECM) product line of Fusion Middleware. Responsible for maintaining current functionality and implementing new features related to content search and security.
- Responsible for designing and implementing a new security layer on I/PM to enable integration with enterprise OPSS security.
- Responsible for identifying and prototyping improvements to existing development environment. Successes include streamlining ADF project structure, automating large portions of development environment setup, and reducing EAR deployment times by over 50%.
- Attached to UCM 12c integration team to assist in design and development of a new common web user interface which will replace current I/PM and UCM web UIs.
- Technology used on a regular basis includes Java 6, Weblogic 10.3, Oracle DB 11g, Oracle JDeveloper, Oracle ADF / Java ServerFaces.

#### **Senior Software Engineer**

Intelligent Software Solutions, Colorado Springs, CO

September 2003 to October 2009

- Engineering lead on a USAF initiative for joint Intelligence planning. Responsible for architecture, design, and lead development of a J2EE server oriented architecture (SOA) platform, Flex rich internet application (RIA) client, and web services.
- Member of Architecture team designing reusable SOA and Flex frameworks for multiple projects in company.
- Technology used on a regular basis includes Java 6, Weblogic 10, Oracle DB 11g, Flex / Actionscript 3, Spring, Ant, and JUnit.
- Lead developer on an R&D project using genetic algorithms to discover and display patterns in electronic signals.

### **Software Consultant**

The TriZetto Group, Colorado Springs, CO

April 2003 to September 2003

- Customization of a e-commerce application in Struts on Weblogic based on customer requirements. Development includes creating and customizing Java classes, Java Beans, JSPs, XML/XSL files, HTML content, etc.

### **Senior Engineer**

NeoCore, Inc., Colorado Springs, CO

June 2001 to March 2003

- Provided analysis, design, and development of XML-driven tools, applications, and prototypes to be used by NeoCore and its customers. These included a multi-threaded C# .NET API for the XML database, a multi-threaded data integrity validation tool (ValidateXMS) in Java, and the Web Administration Console for NeoCore XMS 2.5 and 2.6.
- Designed and taught coursework for XML information modeling and system administration of the database. Provided technical support, pre-sales support, prototyping, and consulting services to customers and partners.

### **E-business Architect**

Advanced System Designs, Morton, IL

September 1999 to April 2001

- Lead the requirements-gathering, system design, and development of e-business applications for Fortune 500 customer using IBM WebSphere, IBM DB2, and related technologies.

### **Senior Engineer**

Cyberdesic, Bloomington, IL

December 1997 to September 1999

- Technology team lead for multi-discipline software projects. Responsible for gathering requirements and designing web-based solutions for multiple customers. Planned, designed, and delivered an intranet-based delivery system of vendor contracts for a Fortune 50 company.

### **Webmaster / System Administrator**

Illinois Wesleyan University, Bloomington IL

May 1997 to December 1997

- Managed university internet and intranet operations. Provided sysadmin support on multiple servers and two computer labs. Maintained the www.iwu.edu web site and several database-driven intranet web sites.

### **Adjunct Professor of Computer Science**

Illinois Wesleyan University, Bloomington IL

Fall 1997

- Instructor for "Computer Science 101:Introduction to Computing."
- Developed and taught new curriculum which introduced students to general computing concepts, UNIX, internet technologies, web page authoring, and basic programming in JavaScript.

### **Multimedia Application Developer**

Iona Group, Morton, IL

January 1995 to April 1997

- Initiated and managed all Internet- and intranet-related projects and company operations, including production and maintenance of the award-winning corporate web site.

- Authored corporate and industrial multimedia presentations for CD-ROM, diskette, and network-delivery. Provided consulting and support for hardware, software, and network solutions.

## **EDUCATION**

### **Masters in Computer Science, Software Engineering emphasis**

Colorado Technical University, Colorado Springs, CO

Awarded June 2007

### **BA in Communications, Media Production emphasis**

Wheaton College, Wheaton, IL

Awarded May 1995

### **Professional Certifications**

"Sun Certified Java Programmer" (October 2004)

"IBM Certified for E-Business Solution Designer" (June 2000)

"IBM Certified Solution Expert - Net.Commerce" (November 12 1998)

## **PUBLICATIONS and OPEN SOURCE CONTRIBUTIONS**

### **Author of "How to Build an RSS 2.0 Feed"**

Downloadable PDF published by O'Reilly Media. Available at <http://www.oreilly.com/catalog/buildrss2feeds/>.

### **Freelance Writer for O'Reilly Media's XML.com**

Write on topics like RSS, Atom, and related syndication technologies. Recent articles include "RSS Feeds for FTP Servers", "ROME in a Day: Parse and Publish Feeds in Java ", and "Putting RSS to Work: Immediate Action Feeds." Author bio with links to articles available at <http://www.xml.com/pub/au/274>.

### **ROME (RSS and Atom Utilities) Project Member**

Development team member for the ROME project (<http://rome.dev.java.net>), an open-source Java library for parsing and publishing RSS and Atom syndicated feeds. Designed the Aqueduct API, a persistence framework for the project. Designed and delivered a PrevaYler-based implementation of the Aqueduct API. Organized and executed a public logo contest for the ROME project.

### **Contributing author to "Macromedia Web Publishing Unleashed"**

Wrote Chapter 29, "Creating Interactive Content with Shockwave for Director" and Chapter 30, "Advanced Web Interactivity with Shockwave-Specific Lingo". ISBN: 1-57521-251-X. Publication: June 1997, Sams.net Publishing.

### **Contributing author to "Web Publishing Professional Reference Edition"**

Wrote Chapter 25, "Adding Interactivity with Shockwave." ISBN: 1-57521-198-X. Publication: January 1997, Sams.net Publishing.

## **REFERENCES**

Available upon request.