

Mark A. Woodman
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SUMMARY

Team lead and architect with 20 years of software development and design. End-to-end project life-cycle experience in Fortune 100 companies and the U.S. Department of Defense.

EDUCATION

Master Degree in Computer Science, Software Engineering

Colorado Technical University, Colorado Springs, CO - June 2007

Bachelor of Arts Degree in Communications, Media Production

Wheaton College, Wheaton, IL - May 1995

EXPERIENCE

Consulting Member of Technical Staff

Oracle USA, Colorado Springs, CO

February 2015 to present

- Member of Customer Solutions team for Documents Cloud Service and Sites Cloud Service. Designed and implemented a multi-tenant, localizable RESTful reverse proxy service with a schema-driven web administration UI deployed with Documents Cloud Service. Lead efforts to overhaul QA automation suite for Documents Cloud Service, leading to substantial improvements in build processes, test efficiency, and modernization of Selenium-based tests.
- Technology used on a regular basis includes Java 7, Weblogic 10.3, Jersey REST services, Jackson, Gradle build scripts, Jenkins CI, and the full Oracle Developer Cloud Service stack.

Senior Software Architect

Hypnos Entertainment, Colorado Springs, CO

March 2012 to February 2015

- Web application platform design and development for Sony Computer Entertainment America. Technology used included ExtJS 4, RESTful web services in PHP, Ant.
- Design and prototype of unannounced microtransaction and virtual currency system. Technology based in Amazon AWS included DynamoDB, Elastic Beanstalk, Spring, Tomcat 7.

Principal Software Engineer

Oracle USA, Colorado Springs, CO

October 2009 to April 2012

- Lead architect for Oracle PDQ 11g web application development. Designed and implemented core ADF web framework and a JPA-backed metamodel schema for storing runtime-derived customer data. Redesigned build environment to meet J2EE enterprise blueprint guidelines.
- Development team member for Oracle I/PM web application in the Enterprise Content Management (ECM) product line of Fusion Middleware. Technology used on a regular basis included Java 6, Weblogic 10.3, Oracle DB 11g, Oracle ADF 11g / JSF, Ant, Hudson CI.

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. 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.

Senior Engineer

NeoCore, Inc., Colorado Springs, CO

June 2001 to March 2003

- Design, and development of XML-driven Java and C# tools for internal and customer use. Designed and taught coursework for XML information modeling and system administration of the database.

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. 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

- 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.

PROFESSIONAL CERTIFICATIONS

- "Sun Certified Java Programmer" (2004)
- "IBM Certified for E-Business Solution Designer" (2000)
- "IBM Certified Solution Expert - Net.Commerce" (1998)

PUBLICATIONS and OPEN SOURCE CONTRIBUTIONS

Author of "How to Build an RSS 2.0 Feed" O'Reilly Short Cut

Downloadable PDF eBook 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.