

**Mark A. Woodman**  
Colorado Springs, CO  
www.markwoodman.com  
mark (at) mark woodman (dot) com

## **SUMMARY**

Senior Engineer with twelve years of software planning, design, and implementation. Team leader with full project life-cycle experience in Fortune 100 companies and DoD. Seeking opportunities to create great software that solves big problems in a motivating environment.

## **TECHNICAL SKILLS**

### **Languages and Technologies**

Java 1.5, PHP, SQL, XML, XPath, JavaScript, CSS, DHTML, RSS, Atom

### **Web and Application Servers**

JBoss (Tomcat), Apache, IIS

### **Databases**

Microsoft SQL Server, MySQL, HSQLDB, PostgreSQL

### **Development and Productivity Tools**

Ant, Log4J, IntelliJ IDEA, Jira, Confluence, Enterprise Architect

### **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)

## **EXPERIENCE**

### **Software Engineer**

Intelligent Software Solutions, Colorado Springs, CO

September 2003 to Present

- Team lead for several R&D projects for DoD customers. Responsibilities include documentation, design and development, customization of the WebTAS framework ([www.webtas.com](http://www.webtas.com)), and data fusion across multiple data sources.
- Prototyped, deployed, and maintained a secure corporate extranet using open source technologies.
- Technology used on a regular basis includes Java 1.5, JBoss 4.x, PostgreSQL, Ontology Language for the Web (OWL) , the Jena RDF ontology framework, IntelliJ IDEA, Ant, JGAP, JUnit, and Log4J.

### **Consultant**

The TriZetto Group, Colorado Springs, CO

April 2003 to September 2003

- Customization of a J2EE-driven e-commerce application based on customer requirements. Development includes creating and customizing Java classes, Java Beans, JSPs, XML/XSL files, HTML content, etc.
- Technology used included BEA WebLogic application server, the Apache Struts Web Application Framework, ANT, and Log4J

### **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. (Technologies used included Java 1.4 J2EE, servlets, JSP, XML, XPath, XQuery, HTML, JavaScript, ASP.)
- Designed, documented, and coded a multi-threaded C# .NET API to the NeoCore XMS database for a high profile customer.
- Designed, coded, and delivered a multi-threaded data integrity validation tool (ValidateXMS) in Java, which

- became part of the standard test suite used by QA to test the NeoCore XMS database.
- Designed and implemented 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 customers.
- Full project lifecycle involvement: Lead projects in initial requirements gathering, delivered Requirements Specifications, assisted in resource planning, drove architecture and design requirements, designed information and database schemas, delivered Design Specifications, lead development team to build and deliver software.
- Projects utilized IBM WebSphere J2EE Server, Java, SQL, DB2, and related technologies.
- Heavily involved in creating and implementing company project methodologies, workflow, and written deliverables.

### **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.
- Developed applets, applications, and web sites in Java, JavaScript, SQL, HTML, ASP, and related technologies.

### **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.
- Developed intranet-based IT trouble-ticket help system. Researched and implemented technologies/upgrades for content delivery and system performance. Developed content for student/faculty support and training in web site development.

### **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.
- Note-worthy web sites included those of Clifton Gunderson LLC, Illinois Wesleyan University, Martin Engineering, and the award-winning site for Keystone Steel & Wire's "RedBrand" products.

## **OPEN SOURCE AND PUBLICATIONS**

### **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.

## **EDUCATION**

Colorado Technical University, Colorado Springs, CO  
Masters in Computer Science, Software Engineering emphasis  
Graduated June 2007

Wheaton College, Wheaton, IL  
BA degree in Communications, Media Production emphasis  
Graduated May 1995

## **REFERENCES**

Available upon request.