

Dan Jensen
Web Application Developer

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EXPERTISE

Languages: Java, JavaScript, C/C++, SQL
Markup: XML/schema, HTML/CSS, SOAP, JAXB, Castor
Protocols: HTTP, LDAP/AD, FTP, SSL
Frameworks: J2EE, Struts, AJAX, JSF (MyFaces)
Platforms: Windows, Linux, Unix, Mac

RECENT EXPERIENCE

Web Application Developer, Motorola Good Technology Group
Santa Clara, CA (March 2008 to Present)

Developed dynamic UI screens, integrating AJAX and Struts, for a wireless device management system. Environment: Embedded Tomcat. Tools: NetBeans, Perforce, and Ant.

Web Application Developer, Cranite Systems
Los Gatos, CA (July 2005 to December 2007)

2007: Developed user interface for element management system, using the Backbase AJAX/JSF framework. Developed XML-based RPC module for constructing and issuing server commands, and processing server responses. Tools: Eclipse, JUnit, Log4J, and Perforce.

2005–6: Lead Java developer for two wireless security systems. Developed element management system using J2EE, HTML, and Struts. Researched LDAP, Microsoft Active Directory and DNS, then developed an advanced directory access library that uses DNS and JNDI to discover and access directory services. Tools: Eclipse, JUnit, and Subversion.

Web Application Developer, US Geological Survey, Menlo Park, CA (January–May, 2005)

Enhanced and maintained the National Map Viewer. Provided analysis and development for transition to schema-based XML binding for Java servlet code. Redesigned servlet code to dynamically bind old and new XML bindings using JAXB. Made server logging customizable. Added user history facility to client-side JavaScript. Transformed client UI customization code from procedures and arrays to objects. Implemented several incremental UI modifications. Used Eclipse, JUnit, and CVS.

OTHER RELEVANT EXPERIENCE

Software Developer, Kaweah.com (2004)

Developed dynamic Web-based maps, backed with a MySQL database by way of JSP and servlets, utilizing both conventional client-side image mapping and applet-based image maps with additional mouse-over facilities.

Developed Web Map Service (WMS) based map viewer, using DHTML, JSP, servlets, and JavaScript, and backed with a MySQL database.

Designed, developed, and maintained Kaweah.com web site, using JavaScript, XHTML, Java, JSP, servlets, JDBC, and SQL, featuring various astronomy applications.

Java & Database Developer, Market Answers, San Jose, CA (2002)

Designed database schema. Developed DB2 database and JDBC and XML database access code.

Lead Engineer, ActivIdentity, Fremont, CA (November 2000 to January 2002)

JavaBadge project technical lead. Developed client and server smart card management software using Java, JSP, XML, HTML, and C on Windows and UNIX. Worked directly with customer (Sun), partner (Citicorp), and internal product and QA groups to revise long and short term development strategies.

Developed Java components for smart card management product.

Sr. Software Engineer, Raytheon, NASA Ames Research Center, CA (1997–2000)

Developed secure CGI programs in Java for use with secure web proxies. Developed object-oriented 3-D font library with Visual C++ and OpenGL.

Wrote test plans, matrices, and reports for NASA PKI rollout. Organized tests. Directed exploratory testing. Localized problems. Determined strategies for problem resolution.

Developed S/MIME secure email plug-ins for Eudora for Mac and Windows (C++, MFC). Product commercialized by Entrust Technologies. Received two NASA awards.

Software Design Engineer, Apple Computer, Cupertino, CA (1996–97)

Designed and developed automated black-box tools for testing system APIs. Reviewed test tool designs of fellow developers.

OTHER EMPLOYMENT

Math & Science Teacher, San José, CA (2003)
Software Developer-Consultant, Kaweah.com (1995–96)
Software Engineer, AirLink Systems, Fremont, CA (1995–96)
Systems Administrator, U.S. Geological Survey, Menlo Park, CA (1994–95)
Programmer, Naval Postgraduate School, Monterey, CA (1992–94)
Database Programmer, Yosemite National Park, CA (1991–92)
Environmental Health Technician, Yosemite National Park, CA (1990–91)
Physics Intern, Fermi National Accelerator Laboratory, Batavia, IL (1989)
Physics Lab Assistant, University of South Carolina (1989–90)
Security Guard, Bahá'í World Centre, Haifa, Israel (1986–87)

EDUCATION

MS, Client/Server Engineering, San Jose State University (2002)

Coursework in Java, J2EE, EJB (Web Logic), SQL, and CORBA.
Thesis research involved Visual C++, MFC, CORBA, XML, and SOAP.

BS, Mathematics, University of South Carolina (1990)

CERTIFICATES, AWARDS, AND PUBLICATIONS

- Research published in Journal of Software Practice and Experience:
<http://www3.interscience.wiley.com/cgi-bin/abstract/100019573/START>
- NASA award for deployment of public key infrastructure.
- NASA award for development of cryptographic email modules.
- Certificate of Achievement, IEEE Computer Society, for database development.