

TECHNICAL EXPERTISE

Languages	Java, SQL, Perl, JavaScript, C++, C, AWK, Sed, VBScript, Python
Operating Systems	Solaris, Linux, Windows
Database	Oracle, SQL Server, MySQL, PostgreSQL
Tools	Weblogic, JBoss, JRun, Apache Tomcat, Struts, Java Servlets, JSP, JSP Tag Libraries, J2EE, EJB, Ant, Swing, JUnit, AWT, Web CGI, CVS, Visual C++, SWT, UML, HTML, XML, XSLT, JMS, CORBA
Other	OOD/OOP, TCP, Firewalls, Internet, JDBC, ODBC

PROFESSIONAL EXPERIENCE

Monsanto - St. Louis, MO

August 2003 - Present

Consultant

Designer and Developer for internal genomics applications.

- Maintained and redesigned Java Swing applications that are used to genotype plant and animal specimens.
- Migrated applications from VisiBroker to JacORB.
- Upgraded multiple applications to Java 1.4
- Designed and implemented XML based metrics logging for multiple applications.
- Performance tuning for Java and Database processes.
- Rewrote large molecular fingerprinting PL/SQL procedure in Java for speed and maintainability. Utilized multithreading to decrease processing time by over 50 percent.
- Implemented POI based reporting infrastructure.

Environment: XP, Test first, Java, XML, XSLT, OOD/OOP, Oracle, CORBA(VisiBroker and JacORB), IntelliJ and Tomcat.

Maritz - St. Louis, MO

October 2002 – August 2003

Consultant

Developer for customer facing performance improvement applications.

- Utilized Java, XML, XSLT, HTML, CSS, and JavaScript to implement enhancements to multiple client websites.
- Refactored multiple sites to current design and interface standards.
- Designed and implemented a rule based user management system utilized across multiple projects.
- Generated PDF reporting infrastructure via XSL-FO and FOP.

Environment: Java, XML, XSLT, OOD/OOP, MS SQL Server, JRun, JBuilder and Eclipse.

World Wide Technology - St. Louis, MO

April 2000 – October 2002

Senior Developer

Technical lead and developer for multiple E-Business and E-Commerce web based applications.

- Designed and implemented core component architecture used in multiple Swing based GUI applications.
- Created JSP Tag Library infrastructure used in multiple web applications.

- Designed user input validation system used by both web and Swing clients.
- Created EJB stateless session beans to interface with Oracle ERP and custom database tables.
- Developed Ant based build process and converted existing build scripts to Ant.
- Lead team in transition to Concurrent Versions System (CVS) version control software.
- Authored Java coding standards used by team.
- Estimated development effort for both web and Swing based applications.
- Mentored new team members on Java, OOD practices, web and Swing based application development.
- Implemented web based application written in ASP/VBScript/TSQL accessing a SQL Server database.

Environment: XP, Test first, 3-tiered architecture, Java, Swing, Struts, Tag Libraries, JSP, OOD/OOP, Oracle, EJB, and Weblogic application server.

Westar Corporation - St. Louis, MO

May 1998 - April 2000

Java Programmer

Designed and developed multiple applet based client server applications.

- Designed and implement multiple AWT based GUI components.
- Developed lightweight HTTP based RPC protocol to plug into existing RMI based applications.
- Created NT Services to handle startup and shutdown of Java based server.
- Implemented batch script based build process.
- Implemented install and setup routines for Java based applications.
- Created SQL scripts to upgrade/install database schema.
- Administered company wide CVS server.

Environment: 3-tiered architecture, Applet, Java, Microsoft Access, Oracle, PostgreSQL, Visual Café, and Visual C++

Boeing - St. Louis, MO

May 1997 - May 98

Consultant

Performed automated testing of real time mission computer used by the U. S. Navy F/A-18. Responsible for design, development and maintenance of black box integrated testing scripts.

- Developed and maintained testing scripts for black box testing.
- Maintained C based testing software used by team.
- Designed web based software used to track test results over multiple releases.

Environment: Irix, Solaris, RCS, C and proprietary testing language

EDUCATION

BS degrees in Electrical and Computer Engineering
 Minor in Mathematics
 University of Missouri, Columbia, 1992-1997

CERTIFICATIONS

Sun Certified Java Developer
 January 2002

Sun Certified Java Programmer
February 2001