

Douglas W. Sjoquist
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Summary

Experienced system architect with excellent communication, analysis, design and development skills. Strong background with multi-tier, distributed system design and development on servers, application clients, and web clients. Extensive experience with tools and frameworks such as client and server side Java, Delphi, Google Web Toolkit, and JBoss.

Rapid problem analysis with the ability to work with users in developing and refining requirements. Good grasp of how each piece fits in with organization's overall goals and needs. Experienced and comfortable with agile development methods. Ability to learn and integrate new development techniques, tools, and skills quickly, soon becoming productive in the new environment.

Project Experience

Recycling and manufacturing tracking system (2006-2009)

Primary architect and lead developer for a system to support the recycling business for a mining client. The system was written in Java using a mixture of open source and proprietary components, with a mixed database environment of IBM DB2 and Apache Derby.

Update existing Java Swing application (2009)

Modifying an existing Java Swing application to support undo and redo. The existing application is a visual designer tool for US Air Force end users to build screens for their data warehouse. The modifications will allow them complete undo and redo functionality for their work.

Java library development (2003-2006)

Developed various custom libraries to meet client specifications such as a role-based security library for swing components that controls various component properties (visible, enabled, editable) dynamically based on a user's authenticated credentials.

Prototype DoD Humanitarian Aid and Disaster Relief planning system (2006-2007)

Worked as researcher and developer on a prototype Humanitarian Aid and Disaster Relief planning system for the DoD. Developed module that allowed web users to collaboratively build, approve, and publish initial planning documents and briefings.

Researched use of semantic web concepts (ontologies, OWL, Protege') in support of the process.

Job posting and application web applications (2005-2006)

Developed job posting and job application web applications to allow HR department to quickly build new listings from existing postings or templates. It allows current employees to apply over the corporate intranet, and others to apply over a secure internet application.

Software agent research prototype (2004-2005)

Designed and developed java subsystems for a proof of concept distributed agent system: rule engine subsystem, end-user rule builder GUI, tracking subsystem, other subsystem APIs, and system utilities. Mentored team members in J2EE design, Java patterns, and refactoring. Worked with client representatives in developing roadmap for overall project.

Java Servlet/Applet timecard (2003)

Developed time card applet interface to an existing small business accounting system including employee entry and signing of hours and supervisor approval and printing.

Configurable real time engine data display (2003)

Developed prototype system to provide a user configurable display system for an integrated bridge system for Navy small boats. The system monitors and displays real time data feeds from multiple engines in text or graphics mode.

Java and J2EE mentoring and training (2002-2006)

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Design experience

J2EE, Java 2 Enterprise Edition design and development	10 years
Web Services design and development	4 years
Multi-tier, distributed systems design and development	14 years
Software and database analysis, design, and development	29 years
Handheld systems design and development	2 years
Peer to peer (P2P) design and development	6 years
CORBA, Common Object Request Broker Architecture	2 years
Object oriented design and development	20 years

Languages and Tools experience

Java	12 years
J2EE (IBM WebSphere, BEA WebLogic, Tomcat, JBoss)	7 years
TIBCO (BusinessWorks/Rendezvous)	1+ years
Borland/Delphi	11 years
Palm OS/Java 2 Micro Edition (J2ME)	1 year
PocketPC/WinCE	1 year
SQL (Oracle, Microsoft, DB2)	13 years
Others (CORBA, Pick/UniData, C/C++, FORTRAN, COBOL)	

Work Experience

Sunetos, Inc.	1998-present	Multi-tier, distributed system architect and developer
Synergy, Inc.	1996-1998	Software design and development
Rotman & Sjoquist	1988-1996	Extensive consulting and programming in a partnership
Cedarville College	1982-1996	Various roles ending with Asst. Dir. of Computer Services
Cedarville College	1985-1994	Adjunct Instructor, computer language courses
Custom development	1980-1988	Custom software development for various businesses.

Education

B.A. Business Administration, Cedarville College, June 1982, GPA 3.5/4.0
Computer Information Systems emphasis