

Sloan Duffy Seaman

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Technical Skills

Proficient in: Java, Struts, JSP, JavaScript, JQuery, YUI, Ajax, HTML, CSS, WSDL (Axis 2), JSON, Tomcat

Database Technologies: JDBC, SQL, Hibernate, Oracle 9i, Oracle 10g

Development Environments: Eclipse, CVS, SVN, ANT, TOAD

Operating Systems: Windows, Linux

Familiar with: Android, PERL, C#, SQL Server

Significant Strengths

Expert level experience with object-oriented design with a concentration on API development for low level libraries and architectures, database schema design, and web based technologies. Experienced as a team leader on multiple projects and capable of adapting very well to changing environments. Strong analytical and problem solving skills.

Experience

Precision Therapeutics - Aug. 2004 - Nov. 2010

Senior Software Developer

Lead developer and architect of Precision Therapeutics Information Management Portal (PTIMP), a web based application used by the Clinical Laboratory, the Client Services department, and the Medical Record department. The application allows users to process, track, quality control all specimens, manage client information, and generate various reports.

Technology: Java, JSP, Struts, Hibernate, SQL, MBean, JNDI, HTML, CSS, JavaScript, JQuery, YUI, Ajax, WSDL, Tomcat, Oracle

Details:

- Developed custom API to wrap Hibernate, JNDI, and SQL implementation specifics
- Used AspectJ to bytecode modify JDBC driver for logging of all SQL statements
- Authored multiple MBeans for application management via JConsole
- Developed WSDL services and clients for interaction with external applications
- Created custom JSP tags for JQuery/Datatable rendering
- Authored multiple object-oriented JavaScript libraries for global barcode scanning detection, custom reusable dialogs, and form manipulation
- Created CSS files for entire application GUI
- Authored locking architecture (utilizing EhCache) for distributed object locking
- Created multiple reports using XSTL for PDF generation via FOP
- Developed application caching system that supported immediate and deferred loading of objects via configuration file (EhCache with Apache Commons Configuration)
- Authored external/internal software design specifications

Symbol Technologies - Feb. 2003 - Aug. 2004

Senior Software Developer

Lead developer and architect of an application utilized by grocery store marketing departments to deliver targeted advertisements to users of the Personal Shopper system, a wireless barcode scanner displaying a running total cost and advertisements based upon shopping habits.

Technology: Java, JSP, Struts, XORM, SQL, HTML, JavaScript, C#, OLAP, XML/A, SOAP (Axis 1), Tomcat, SQL Server

Details:

- Created Struts based application that allowed users to group grocery items to trigger advertisement display based upon specific criteria (e.g. the number of items bought, the order in which purchased)
- Used SOAP to interface with Microsoft XML/A to retrieve OLAP data
- Authored XML based Inversion of Control (IOC) system which provided business rules to the targeted marketing engine
- Developed multiple command line tools using C# to interface with remote grocery store servers

Schedule Star - Aug. 2002 - Feb. 2003

Lead Architect/Software Developer

Lead developer and architect of an EJB based web application that enabled high school athletic directors to create yearly athletic competition schedules.

Technology: Java, JSP, EJB, JBoss, HTML, JavaScript, SQL, MySQL

Details:

- Developed EJB based web application for non-technical users
- Designed, configured, and deployed application and server architecture (Linux, JBoss, and MySQL)

Automated Health Systems - Jan. 2002 - Aug. 2002

Contractor, Developer/IT Manager

Worked with CTO to restructure the corporate IT infrastructure and development procedures.

Technology: PERL, HTML, Java, SQL, Apache, MySQL, VPN, Linux, Windows

Details:

- Replaced legacy IBM mainframe servers with Linux based servers
- Replaced dial-up connectivity with Internet based VPN solution
- Developed PERL based web application used by the corporate call center
- Taught PERL and object-oriented methodologies to existing Lotus Notes developers

Laminar Software - Feb. 2001 - Oct. 2002

Sales Engineer

Worked directory with the CEO to develop customer relations and install Java based product at customer sites. Taught product usage and APIs to customer development teams while gathering customer requirements and enhancement requests.

Technology: Java, WebSphere, WebLogic, Tomcat, XML, DTD

Details:

- Presented the details and ROIs of the product to upper management of Fortune 500 companies
- Worked directly with client developers to install and configure product
- Created XML DTDs for all product configuration files
- Set up and maintained the corporate Linux mail server

CEEVA - Oct. 2000 - Feb. 2001

VP of Technical Operations

Lead a six person team to develop a Java web application for middle manufacturing companies. Restructured entire corporate technology infrastructure.

Technology: Java Servlet, JSP, JDBC, HTML, JavaScript, Apache, MySQL

Details:

- Managed budget and personnel
- Replaced IBM mainframe servers with Linux based servers
- Authored core Java Servlet libraries
- Authored generic JavaScript libraries used in customer applications

i-Muse - May 1998 - Oct. 2000

CEO

Founded a successful 6 person firm specializing in Java based web solutions for clients including Stargate Industries (now Expedient), Alcoa, Education Management Corporation (EDMC), and ACS.

Technology: Java Servlet, JSP, JDBC, HTML, Apache, MySQL

Details:

- Generated over \$300,000 in sales in a one-year period
- Launched successful advertising campaign in local media
- Lead a successful merger and acquisition with CEEVA
- Developed a Java web application using caching and wrapper methodologies created for LDAP and JDBC connection pooling
- Managed entire company infrastructure including networks, web servers, mail servers

CIBER - May 1998 - May 1999

Contractor, Applications Architecture - ALCOA

Designed the first Internet application in ALCOA.

Technology: Java Servlet, HTML, Apache, Oracle, MySQL

Details:

- Developed Java Servlet based application used by external customers for processing invoices
- Designed a role-based security system based on the Unix security model

Cox Interactive Media - Aug. 1997 - May 1998

Technical Manager

Technical Manager and lead developer of the public web site, RealPittsburgh.com (later WPXI.com).

Technology: PERL, CGI, HTML, Apache, MySQL

Details:

- Authored all HTML templates and CGI
- Designed corporate project submittal and work request form system
- Developed web applications with PERL and MySQL

FORE Systems - Jan. 1996 - Aug. 1997

Supervisor of Internet Application Development

Designed and maintained the corporate web site and internal web applications for customer support

Technology: Java, C, HTML, JDBC, SQL, Apache

Details:

- Created the corporate web site in HTML
- Designed internal customer support web application using Java Applets and WebLogic JDBC driver
- Authored C code for interfacing with Oracle database

Education

Indiana University of Pennsylvania (Indiana, PA)

B.S in Computer Science, Minor in Management Information Systems, Concentration in Japanese language - 1996