



Sean Lomax

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Experienced software engineer with a strong dedication to quality software and communication with stakeholders to guide the design of complex, highly visible systems.

SKILLS

- Languages: Java, JavaScript, TypeScript, HTML/CSS, SQL
- Frameworks: Spring, Spring Boot, React, Node.js
- Software: Eclipse, git, IntelliJ IDEA, JIRA
- Systems: Mac OS, Unix, Windows

EXPERIENCE

Principal Consultant, DevObsessed

Omaha, NE — December 2021 - Present

Principal Consultant, Object Partners, Inc.

Omaha, NE — February 2019 - December 2021

Senior Consultant, Object Partners, Inc.

Omaha, NE — November 2016 - February 2019

Served as a full-stack software developer for a number of clients.

Accomplishments

- Created a greenfield healthcare compliance platform (React, Redux, Spring Boot, Apache Camel, Groovy, Hibernate) for a startup company to secure funding from their largest customer.
- Spearheaded the development of a reusable React component library for company-wide use in a new corporate design system.
- Helped coach several full-time employees through the process of learning a number of industry standard tools.
- Rewrote a video processing application (Node.js) to run on Google Cloud Platform, using Google App Engine.
- Lead over one hundred interviews for Object Partners.

Senior Software Engineer, CSG International

Omaha, NE — November 2014 - Present

Created new functionality for a suite of web applications used by cable companies to process payments, manage user accounts, and administer systems. Served team as a reliable resource in software design, implementation, agile methodologies, and the Sencha suite of javascript frameworks.

Accomplishments

- Took initiative during innovation phase to rewrite an existing Ext JS application to use the new Sencha Modern toolkit, enabling the use of responsive web design principles. The application works seamlessly between devices while providing all new functionality, making it the primary platform of the product.
- In a two week sprint, created an Angular JS website to be used as a proof-of-concept for a set of newly exposed REST web services to eventually be consumed by customers. Through the process of writing the website, helped guide future design of new REST services.
- Encouraged team to adapt better code standards and agile health through creation of code reviews, facilitation of healthy retrospectives, and estimation using story points.
- Onboarded and mentored new hires. This required knowledge of Java, Ext JS, and other technologies used by our software, as well as extensive knowledge of the suite of software the team was developing.
- Served as a pivotal role in creation of an entirely new, far-reaching suite of applications designed to replace third-party software running on payment kiosks. This included database design, exposing database functionality through REST web services, management of a JavaFX application, and the creation of an all new UI.

Software Engineer, Northrop Grumman Mission Systems

Bellevue, NE — January 2014 - November 2014

As part of an agile team, communicated directly with the customer to adapt quickly to new and changing customer requirements, fulfilled largely through the implementation of Flex and JavaScript solutions.

Accomplishments

- Converted complex menu systems into a unified global search utilizing n-gram logic, historical activity, and geographical location to identify the desired product users were looking for.
- Implemented client side Real User Monitoring best practices including feature use and performance beacons. Utilized Splunk to analyze real time results which revealed missing features users desired, which drove stories in the upcoming sprints.
- Designed and developed a new suite of functionality to existing map viewing software, enhancing users' situational awareness and analytical ability through the use of a multi-windowed approach to viewing maps.
- Worked closely with customers to develop interactive visualizations and data flows for assorted solar activity products using web feature services and the JavaScript AmCharts API.

Web Developer, Northrop Grumman Mission Systems

Bellevue, NE — June 2009 - January 2014

Adapted existing web services to utilize cross-domain features and administered cross-domain system. For two years, filled the developer role on an agile team developing a Flash application with a Java/Oracle back end used by the US military for nuclear planning.

Accomplishments

- Implemented and maintained cross-domain guard hardware and software designed to allow isolated, controlled flow of web service requests and responses between networks of different classification levels.
- Implemented web services hosted on WebLogic servers and directed dataflows utilizing Oracle Service Bus, to be redirected toward the cross-domain guard solution.
- Designed and implemented method by which the Flash application used BlazeDS to query a SQL database and displayed the resulting records, additionally presenting the user with a dynamically generated list of fields to add to the record list.
- Gained Security+ certification as a requirement of the project and helped the team implement security best practices and standards to achieve a government approved cross domain solution.
- In response to higher customer demand for security, spearheaded an application-wide effort to add security classifications to ~15 external products of different types (Jasper reports, .csv files, XML, etc) produced by the Flash nuclear planning software

Software Engineering Intern, Northrop Grumman Mission Systems

Bellevue, NE — Summers of 2003-2006

Played a part in several development teams working on an assortment of software projects while focusing on learning best practices for software development and software engineering processes.

Accomplishments

- Used ASP to adapt several thick client user interfaces for highly-visible Microsoft Access databases to a web-based thin client.
- Explored Java EE best practices and standards to apply to R&D development.

EDUCATION

University of Nebraska at Omaha: Masters Degree, Computer Science

Graduated 2014

University of Nebraska at Omaha: Bachelors Degree, Music Technology

Graduated 2008