

Scott Steinhorst

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Experience

Software Engineer

August 2013 to March 2015

Veterans Affairs (Contract), Salt Lake City, Utah

Skills used: Java, SOLR/Lucene, JavaScript, Sencha ExtJS, JQuery, Maven, IntelliJ Idea, GIT, SASS, Caché, Node.js, Bootstrap, Express, MUMPS

At the VA I am on a team dedicated to modernizing and improving performance of data access for clinicians by updating the VA's electronic records system. Using Caché as a middle tier database, we developed data storage and retrieval using REST services written in Java and later Javascript. These Java services communicate with a front end using Ext JS, JavaScript, and Velocity templates. During my time I have added features, fixed bugs, and adjusted CSS and use cases in the app at all levels in the stack. I have also built prototypes of several of our services in Node.js in anticipation of converting our Java stack to Javascript. I have a Public Trust Clearance, Moderate Background Investigation (MBI) issued by Department of Veterans Affairs.

Software Engineer

September 2012 to August 2013

33Across, Draper, Utah

Skills used: Java, JavaScript, JQuery, Ruby on Rails, JDBC, MySQL, Maven, IntelliJ Idea, SVN, GIT, HTTP, HTML, CSS, Jira, Confluence

33Across had recently acquired Tynt and as part of the growing team, I worked to bring the two code bases together inside a single Continuous Integration System. I was the primary driver of filling in the gaps in the test coverage, focusing on critical systems in the Tynt product, a client side Javascript tool. Procedures were put in place and frameworks developed to this end. In addition, I contributed to the server feature set, writing server side services in Java, JavaScript and Ruby on Rails to enable encryption of sensitive data and handling of additional use cases.

Software Design and Coding Engineer

January 2012 to July 2012

United States Air Force (Contract), Clearfield, Utah

Skills used: Java, Swing, AWT, IntelliJ Idea, C, Visual Studio 2010, SVN

This Air Force team was taking over a product from a private contractor and I was assigned the responsibility of creating tools to be used to digitize air frame performance data. To this end, I added functionality to an open source Java project, some of which I was able to contribute back. ([PlotDigitizer](http://PlotDigitizer.sourceforge.com) on sourceforge.com) I created new UI elements, the ability to handle additional data sets, and workflows. I also contributed to the mission planning system, writing features in C. Additionally, I advised the team on best practices and technology as they geared up the local team to handle additional responsibilities.

Software Design Engineer

October 2010 to January 2012

GE Healthcare, Salt Lake City, Utah

Skills used: Java, Linux, Eclipse, Maven, Google Protocol Buffers, Oracle SQL, Spring Beans, Virgo OSGI, C#, Visual Studio 2010, WPF, XML, .NET

In this engagement, I was involved in creating an Electronic Medical Records system. To that end I created sorting algorithms, added grammar to language parsing systems, and wrote systems to persist data to a database in Java. Also added functionality to .NET based testing tools as well as adding features to the front end. I implemented the transport layer between a Java back end and Microsoft Windows Presentation Foundation front end. Also I created the interfaces between the front and back ends using Google Protocol Buffers. I solved issues required technology spanning knowledge such as endianness, correct data transport solutions between Linux and Windows, and data packet size limitations. In addition to a broad technical knowledge base, this position required close and constant working with multiple teams providing services and APIs to the client as well as server side services.

Automation Engineer

January 2010 to June 2010

Bill and Melinda Gates Foundation (Contract), Seattle Washington

Skills used: C#, UI Test Automation, Visual Studio 2010, Team Foundation Server, Web Performance Test, Coded UI Test

At the Foundation, I created test automation and automated processes to validate application functionality for a weekly 2am server update event. Creating this system improved turn-around speed from hours to minutes with 100% confidence rate as previously validation was done manually and therefore error prone and slow. I was successful in improving efficiency and reducing human errors no nearly 0 through a combination of improving test automation and streamlining test plans, both existing and new.

Software Development Engineer in Test II & Software Test Engineer II

November 2005 to July 2009

Microsoft Corporation (Multiple Contracts), Redmond Washington

Skills used: C#, VB Script, Command line scripting, System Administration, TCP/IP, Kernel mode debugging, debugging tools, WinDBG

During this time I worked several contract positions at Microsoft various but similar positions. In these roles I used my existing TCP/IP skills, networking knowledge, ability to learn new skills and determination to surpass expectations, resulting in a rapid growth from Test Engineer to Software Development Engineer in Test II. Using every tool available to me, I worked to streamline, reduce run time and improve data collection of the Windows networking regression testing process. I also spent time creating internationalized tests for multi language applications. During this time, I wrote windows command line scripts, C# utilities, and wrote, reviewed, and edited automated tests. Some of the products I worked on were Windows Vista, Windows 7, and Windows Home Server among others.

Network Specialist

November 2002 to November 2005

Kelley Imaging Systems, Kent, WA

Skills used: Network Administration, System Administration, TCP/IP

As a network engineer/systems administrator I coached local IT personnel in the installation, configuration, and upkeep of multi function copiers/printers/scanners sold by Kelley Imaging. These devices were capable of scanning, printing and faxing from the desktop or from the machine itself. Time was also spent in training end users in the use of these machines, usually in a training environment. I also was a technical resource for sales staff, providing technical details and answers to questions.

Hardware Test Engineer

October 1999 to August 2001

Gentner Communications, Salt Lake City, Utah

Skills used: Visual Basic programming, Hardware troubleshooting, Audio Precision Equipment

Immediately upon starting, I was asked to learn Visual Basic with the intent of creating hardware test harnesses and software. I wrote command and control software in Visual Basic that hooked into a hardware platform called Audio Precision to automate functional and quality tests of newly built hardware through automation and fixtures. In creating fixtures I built cables, designed tools, notably a voltage meter to speed up existing test processes. In creating automation, I kept in close communication with the testing team and built software to their requirements, improving usability and test speed greatly.

Education

Certificate in C++ Programming

University of Washington, June 2010

Studied: Algorithms, Design Patterns, UML, Object Oriented Design, Data Abstraction, Polymorphism, XML and DOM, C++ STL

Bachelor of Applied Science in Electronic Engineering Technology

ITT Technical Institute

Graduated September 1999 with a Cumulative 3.9 GPA