Sean Cabrera

14673 Air Garden Ln, Colorado Springs, CO 80921 | (719) 232-7326 | sean.cabrera@gmail.com

SUMMARY

I am a full stack software engineer with over 15 years of experience. I have a wide range of experience with various JavaScript frameworks including Angular and React. I also have extensive experience with Java. I enjoy learning new technical skills and am passionate about solving challenging problems.

WORK EXPERIENCE

Parsons Corporation   Colorado Springs, CO   June 2019 – Present
Principal Software Engineer
- Performed full stack development for the National Tactical Data Manager (NTDM) program. Implemented new UIs in **Angular/Typescript** and REST services in **Java** and **Spring Boot**.
- Led the development of the UI for the Weapon Target Pairing IRAD written in **Angular**.
- Implemented web services for the NTDM Federation microservice in **Python** and **Flask**.
- Mentored junior engineers by providing guidance on tasks and performing code reviews.
- Worked on a tech stack utilizing Docker containers.
- Participated on an agile team using the Scaled Agile Framework (SAFe).

Parsons Corporation   Hickam AFB, HI   June 2017 – June 2019
Field Software Engineer
- Developed a Situational Awareness & Decision Support web application, used heavily by PACAF staff in both Real World and Exercise operational environments.
- Developed a SITREP Reporting web application used by over 40 organizations in PACAF.
- Implemented various web-based data visualizations including a Task Metrics dashboard, Posture chart, Battle Rhythm, SITREP rollup, and Crisis Prep gantt chart.
- Collaborated closely with Air Force customers on requirements for custom web applications and data visualizations.
- Technologies utilized include **JavaScript, jQuery, Bootstrap, d3.js, OpenLayers 3, HTML, CSS, JSP, Java, SQL Server, JBoss, Google Earth.**

Parsons Corporation   Fort Shafter, HI   September 2016 – June 2017
Field Support Representative
- Supported customers in their usage of CIDNE, WebTAS and INDURE at the Asia Pacific Counter-IED Fusion Center (APCFC). Responsibilities included training, collecting requirements and troubleshooting.
- Increased the usage of WebTAS at the APCFC and adopted a new user base on INDURE.

Parsons Corporation   Colorado Springs, CO   June 2011 – September 2016
Software Engineer
- Developed the front end for the Global Health Mapping Tool and Prison Rape Elimination Act Tracking System web applications with **AngularJS, JavaScript, Bootstrap, D3.js, Google Maps API, HTML and CSS** from the ground up.
- Developed new requirements for several Coast Guard WebTAS applications with **knockout.js, JavaScript, jQuery, HTML and CSS**.
- Developed new requirements for the Civil Aviation Knowledge Base web application built with **jQuery, JavaScript, HTML and CSS.**

- Developed the User Management feature for CIDNE 3.x with **backbone.js, jQuery, JavaScript, HTML and CSS**.
- Developed back end **REST** services for multiple web applications in **Java**.
- Developed back end **SOAP** services for the Joint Space Operations Mission System program in **Java and J2EE**.
- Developed **Java Swing** based user interfaces for the WebTAS and Civil Aviation Knowledge Base desktop applications.

Lockheed Martin IS&GS   Colorado Springs, CO   April 2009 – June 2011
Software Engineer
- Developed **Java** code for Wininst, the automated Windows Installation tool for the Command, Control, Battle Management & Communications (C2BMC) system.
- Wrote **Korn shell** scripts to aid in the creation and validation of playback simulations.
- Tested functional requirements and system changes.

Simtek Corporation   Colorado Springs, CO   May 2006 – January 2009
Design Engineer   June 2007 – January 2009
Engineering Intern   May 2006 – June 2007
- Developed the **firmware** for Simtek's nvSRAM and nvSRAM with RTC products. The firmware was written in Simtek's proprietary **assembly language**.
- Designed the hardware and verification for Simtek's 8-bit microcontroller and real time clock digital logic circuits embedded in their nvSRAM and nvSRAM with RTC products using **Verilog HDL**.

EDUCATION
Master of Science in Computer Engineering   March 2009
Colorado Technical University,   **GPA 3.95**

Bachelor of Science in Electrical Engineering   May 2007
University of Colorado at Colorado Springs,   **GPA 3.14**

PROJECTS
Project Portfolio
- A portfolio of personal projects demonstrating proficiency in **React, JavaScript (ES6), HTML, CSS, Android, Java and Python**: https://seancabrera.github.io/portfolio/

CERTIFICATES / AWARDS
- Udacity Programming for Data Science with Python Nanodegree (April 2020)
- Udacity React Nanodegree (July 2019)
- Udacity Front-End Web Developer Nanodegree (Feb 2019)
- Certified SAFe 4 Practitioner (expired July 2020)
- Java Client Programming Certificate (Colorado Technical University)
- CompTIA Security+ ce (expires July 2025)
- Parsons Game Changer Award
- Parsons Pit Crew Award
- Polaris Alpha Gold Star Award
- Two Lockheed Martin Spot Awards
- National Science Foundation Scholarship