

# SEAN CABRERA

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## SUMMARY

I am a full stack software engineer with over 10 years of experience. I have a passion for front end development and a wide range of experience with various JavaScript frameworks including React and AngularJS. I also have experience with creating back end services in Java. In my current position, I am in a customer facing role, collaborating with Air Force officers to build web applications that are used by over 40 organizations in the Pacific Air Forces (PACAF).

## WORK EXPERIENCE

Polaris Alpha                      Hickam AFB, HI                      June 2017 – Present

### 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.**

Polaris Alpha                      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.

Polaris Alpha                      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**

Command, Control, Battle Management & Communications (C2BMC) Program

- Developed **Java** code for Wininst, the automated Windows Installation tool for the 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**

Colorado Technical University,

**GPA 3.95**

March 2009

**Bachelor of Science in Electrical Engineering**

University of Colorado at Colorado Springs,

**GPA 3.14**

May 2007

## **PROJECTS**

### **Project Portfolio**

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

### **React Neighborhood Map**

- Developed a web application visualizing the top bars in Waikiki according to FourSquare with **React, JavaScript, Material UI, HTML, CSS, Google Maps API and FourSquare API**.

### **Find the Spot Android Game**

- Wrote and published an Android game titled Find the Spot utilizing **Java, libGDX** and the **Android SDK**.

## **CERTIFICATES / AWARDS**

- Udacity Front-End Web Developer Nanodegree (Feb 2019)
- Java Client Programming Certificate (Colorado Technical University)
- CompTIA Security+ (July 2016)
- Polaris Alpha Gold Star Award
- Two Lockheed Martin Spot Awards
- National Science Foundation Scholarship