

Jared Ramsey

Senior software engineer and leader with 12 years experience designing & developing enterprise-grade solutions as well as leading technical teams as large as 50 contributors.

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EXPERIENCE (12 YEARS)

Booz Allen Hamilton, Atlanta, GA — Chief Engineer

OCTOBER 2017 - PRESENT

- Developed electron desktop application to aid air-gapped users with geospatial analytic capabilities (Javascript/Node.js/React/Electron/SQL)
- Assisted analysts with structuring data appropriately in Cloudera to query billions of records efficiently (SQL/Cloudera/Python)
- Developed and maintained in production, large-scale, high volume platform used by > 20,000 users to support high profile DoD logistic operations (Javascript/React/Node.js/AWS/SQL/Docker/Kubernetes/Jenkins)
- Technical lead for an application on the above-mentioned platform to provide NLP/ML-enabled search functionality across a large corpus of documents. Led web development, data engineering, data science, and platform engineering efforts involving ~30 technical contributors. This tool is now open-sourced here:
<https://github.com/dod-advana/gamechanger> (Javascript/React/Node.js/Python/FastAPI/ML/NLP/Elasticsearch/SQL/AWS/Docker/Kubernetes/Leadership)
- Chief Software Engineer on the above mentioned platform involved with guiding technical direction of ~50 developers, staffing of new initiatives, proposing architecture changes, maintaining common code, etc. (Leadership)

Harris Corporation, Melbourne, FL — Software Engineer 4

MAY 2016 - OCTOBER 2017

- Technically led a team of 5 developers to build a C# distributed system to manage sensitive underwater robotics equipment (C#/Leadership)
- Designed and contributed major changes to command and control framework that a portfolio of tools used for operation (C#)
- Served as the principal investigator on an internal research & development initiative to modernize the above-mentioned command and control framework (C#/Leadership/Docker/Rest APIs)

Languages

Javascript - 4 years
Java - 4 years
C# - 4 years
C++ - 2 years
Python - 2 years
Scala - < 1 year

TECH SKILLS

React - 4 years
Node.js - 4 years
Electron - 1 year
Docker - 7 years
Kubernetes - 1 year
APIs - 9 years
Unit testing - 12 years
ETL - 4 years
AWS - 4 years
SQL - 12 years
CI (Gitlab/Jenkins) - 10 years
Machine Learning - 1 year
NLP - 1 year
Elasticsearch - 3 years
Cloudera/Hadoop - 4 years
Spark - 2 years
Databricks - < 1 year

LEADERSHIP SKILLS

Small teams (<5) - 8 years
Med Teams (<10) - 4 years
Large Teams (<50) - 1.5 years

- Served as career manager for 7 employees managing performance reviews, salary actions, staffing, etc. (**Leadership**)

AVG Technologies, Roswell, GA — *Big Data Engineer*

JULY 2014 - MAY 2016

- Developed Hadoop MapReduce jobs to batch process metrics and logs collected from millions of devices worldwide (**Hadoop/Java/Jenkins/SQL**)
- Developed Java ETL applications to collect data from millions of devices worldwide to feed to various data stores (**Java/Elasticsearch/Hadoop/Cloudera/ETL/SQL**)
- Developed Spark streaming ML pipeline to assist with zero-day vulnerability detection to simplify virus lab workflows (**Scala/Java/Spark/ML/SQL**)
- Increased unit test code coverage of ETL and MapReduce code from 0% to 85% (**Java/Unit testing/Jenkins**)
- Architected/designed/installed introduction of Elasticsearch to the technology stack as part of a solution to allow virus lab analysts easier access to data (**Java/Elasticsearch/ETL**)
- Maintained 20+ production workflows 24/7 and troubleshot many issues that arose in off-hour situations

Harris Corporation, Melbourne, FL — *Software Engineer 2*

JUNE 2010 - JULY 2014

- Developed web-based retrieval application to facilitate easy access to imagery products (**C**)
- Developed Java framework to facilitate image processing workloads (**Java/Apache Camel/Glassfish/Jenkins**)
- Developed command and control system to aggregate health and status metrics as well as command a distributed set of high precision robotics equipment (**C#/WCF/WPF/SOAP/Jenkins**)
- Developed embedded C++ programs to control high precision robotics equipment to be leveraged by the aforementioned command and control system (**C++/Qt/SOAP**)
- Led a team of 7 developers to maintain/grow the command and control framework mentioned above (**Leadership**)
- Led a team of 3 developers to develop one of the embedded C++ programs mentioned above (**Leadership**)

Phase IV Systems, Huntsville, AL — *Coop Intern*

JULY 2007 - DECEMBER 2008

- Developed embedded C programs for use with real-time electronics equipment (**C**)

EDUCATION

Auburn University, Auburn, AL — M.S. Computer Science

AUGUST 2012 - DECEMBER 2016

4.0 GPA

Thesis – *Boosting Cloud Computing Frameworks with High Performance Computing Features*

<https://etd.auburn.edu/xmlui/handle/10415/5419?show=full>

Auburn University, Auburn, AL — B.S. Computer Science

AUGUST 2006 - MAY 2010

3.8 GPA – Summa Cum Laude

CERTIFICATIONS

AWS Solutions Architect Associate, Coursera Machine Learning, Security+