Aaron Batilo

https://www.aaronbatilo.io

(720) 207-7973
AaronBatilo@gmail.com

EXPERIENCE

Conga
Software Engineer in Machine Learning   *January 2018 - Present*

- Leading reducing scope of AWS IAM permission grants to increase security
- Developing AWS Lambda based architecture for serving ML models
- Leading architecture for AWS EMR solution for big data batch ML model training
- Wrote CloudFormation to automate full infrastructure deployment from taking days down to minutes

FullContact Inc
Software Engineer II   *July 2017 - January 2018*

- Migrated microservices architecture from Amazon ASGs to Docker/Kubernetes
- Created a text classifier for determining the organization/department for a job title
- Built new features and fixed bugs for a Kafka and HTTP based high throughput distributed microservices architecture

Josh.ai
Software Engineer   *June 2015 - July 2017*

- Created Python/Flask full stack solution for interfacing with home automation system, deployed to Heroku
- Created Android client for communicating with home automation system over a WebSocket
- Wrote C++ for LAN based device integrations and control
- Ported C++ codebase from being macOS specific to be platform independent

Northrop Grumman Corporation
DevOps Engineer (former TS/SCI)   *June 2014 - June 2015*

- Wrote Python/Ruby scripts for system monitoring across 40+ virtualized hosts on a secured network
- Configured Apache reverse proxy for backend user PKI authentication
- Automated silent installation of COTS products for live deployments saving hours of manual labor

University of Colorado, Colorado Springs
Student Web Developer/Research Assistant/Teaching Assistant   *January 2013 - December 2015*

- Wrote perl/MSSQL/HTML5 full stack site to render class schedule
- Researched reverse proxy implementations for NSF funded CS/Psychology joint research involving phishing
- TA for Software Engineering I. Graded assignments, held office hours for Ruby on Rails projects and assignments

Northrop Grumman Corporation
Software Engineer Intern   *Summers of (2011 - 2013)*

- (2013) Wrote Java/JavaFX plug-in for real time histogram and scatter plot for Eclipse RCP intelligence tool
- (2012) Integrated nmap and metasploit into C# tool for one click exploitation of virtualized systems
- (2012) Created network visualization of local virtual network which included OS/network information
- (2011) Created C# tool to traverse Twitter user graphs for calculating centrality of users

PROJECTS

- **Multiple Choice AI**: Java/Dropwizard service that uses semantic word vectors to answer multiple choice questions
- **SummaryBox**: Java/Dropwizard/OpenNLP service summarizes raw text into its most important topics
- **ColoradoGeekJobs**: Mongo/Express/React/Node job board for technology jobs in Colorado
- **Sudoku Solver**: C program that uses BFS, DFS, and Dijkstra's algorithm to solve sudoku puzzles
- **CircleTap**: Android game build with Unity which used Google Play leader boards and Google AdMob
- **Rank tracker**: Python scraper that sent SMS updates for a local 8-ball league
- **Macro engine**: C# application that simplified making Win32 API calls to automate keyboard and mouse usage. Scripts could be transpiled into independent C# applications for quick distribution

OTHER TECHNOLOGY

- AWS, Cassandra, Heroku, CircleCI, Jenkins, Kafka, Travis, MySQL, PostgreSQL, Redis