Aaron Batilo

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EXPERIENCE

Conga

Technical Lead / Manager / Senior Software Engineer - Machine Learning / Data Team   *January 2018 - Present*

- Leading team of 3 developers and 2 data scientists to create full-stack Conga AI product
- Leading development of Python, Scala, and Java based microservices for serving ML inferences on contracts
- Lead technical transition to use Docker + Kubernetes from AWS Lambda architecture for deployment
- Administrate TeamCity server and teach the concepts of CI / CD, increasing productivity across all of engineering
- Designed and implemented AWS EMR / Apache Spark and AWS Lambda based machine learning pipeline
- Configured linting, static code analysis, and test code coverage reporting for Python, Scala, and React code bases
- Automated entire infrastructure deployment from taking days down to minutes

FullContact Inc

Software Engineer II - Data Platform   *July 2017 - January 2018*

- Migrated microservices architecture from Amazon ASGs to Docker + Kubernetes
- Designed, trained, and deployed a text classifier for determining the organization and department for a job title
- Implemented Schema.org support in data research pipeline, resulting in 4% lift in data extracted from websites
- Improved data sanitation and data deduplication steps in high throughput, data based API
- Maintained backend for Human-In-The-Loop OCR data annotation system

Josh.ai

Software Engineer - Full-stack / Embedded / Android   *June 2015 - July 2017*

- Created Python / Flask full stack solution for interfacing with home automation system, deployed to Heroku
- Created native Android app for real time communication with home automation system over a WebSocket
- Wrote C++ 11 for LAN based device integrations and control
- Ported C++ 11 codebase from being macOS specific to be platform independent

Northrop Grumman Corporation

DevOps Engineer (former TS SCI with CI Poly / SSBI)   *June 2014 - June 2015*

- Wrote Python / Ruby scripts for system monitoring across 40+ virtualized hosts on a closed and secured network
- Configured Apache reverse proxies for backend user PKI authentication to meet security compliance
- 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-ins for real time histogram and scatter plots for multi-source UAV sensor data
- (2012) Integrated nmap and metasploit into C# tool for one click reverse shell access
- (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

- **SudokuRace.io (WIP)**: Player vs Player Sudoku, with full CI / CD for automatic end to end deployment
- **sanic-swagger**: Annotate your Sanic endpoints to generate a Swagger / OpenAPI compatible spec file. On PyPI
- **Multiple Choice AI**: Java / Dropwizard service that uses word2vec 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