Aaron Batilo

https://www.aaronbatilo.dev

(720) 207-7973
AaronBatilo@gmail.com

EXPERIENCE

- **iStreamPlanet (Remote)**
  Technical Lead / Senior Software Engineer (Infrastructure and Tooling focused)   *August 2019 - Present*
  - Participating in on-call rotations, working directly with customers to ensure highest quality experience
  - Empowering engineers on other teams about building highly available applications on Kubernetes
  - Driving company wide adoption about "cattle not pets" mentality, ephemerality and Cloud Native best practices
  - Converting manually managed resources in AWS, DataDog, etc into using Infrastructure as Code solutions
  - Recognized as an expert to teach all teams across the company to building resilient Cloud Native applications
  - Actively implementing distributed tracing across all applications for increased observability
  - Implemented custom metrics and automatic horizontal scaling policies for event based load spikes
  - Migrated microservices from Distelli managed static EC2 instances to auto-scaling AWS EKS + CodeFresh
  - Lowering AWS cost by by 7 digits (and growing) anually by improving EC2 utilization
  - Developed in house company wide GitOps AWS EKS workflow using Terraform and GitHub Actions
  - Implemented CI / CD pipeline for VOD management product to reduce time from hours to single digit minutes

- **Conga**
  Technical Lead / Senior Software Engineer - Machine Learning / Data Team   *January 2018 - August 2019*
  - Administered TeamCity server and drive company wide adoption of CI / CD best practices
  - Converted manual deployment to automated TeamCity + Spinnaker deployment, saving hours per deployment
  - Lead design, development, and launch of new product for ML inferences on contracts (Conga AI Analyze)
  - Lead technical transition to use Docker + Kubernetes from AWS Lambda based architecture
  - Taught engineers throughout the company about Docker, Kubernetes, AWS, and other Cloud Native concepts

- **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 scraping pipeline, resulting in 14% lift in data extracted from websites

- **Josh.ai**
  Software Engineer - Full-stack / 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

- **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
  - 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 / CSS3 responsive site to render class schedules
  - Researched reverse proxy implementations for NSF funded CS / Psychology joint research involving phishing

- **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

- **Reading Level**: Analyze your text with all of the common readability tests, all at once. https://readinglevel.app
- **typed-json-dataclass**: Automatically type validate and json SerDe your @dataclasses. On PyPI.