Aaron Batilo

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EXPERIENCE

iStreamPlanet (Remote)
Technical Lead / Senior Software Engineer - Infrastructure and Tooling   *August 2019 - Present*
- Lowered AWS cost by 6 digits monthly by improving applications to use spot instances with zero downtime
- Championed and supported team transitions to using Infrastructure as Code tooling and solutions
- Developed company wide GitOps Kubernetes PaaS which enabled self service and auditable infrastructure
- Implemented distributed tracing across several microservices, reducing incident resolution time
- Integrated fully automated CI / CD pipelines to reduce manual deploy time from hours to single digit minutes
- Migrated Go microservices from Distelli managed static EC2 instances to auto-scaling AWS EKS + CodeFresh
- Recognized as an expert to teach all teams across the company about building resilient Cloud Native applications
- Increased sprint velocity of teams by upwards of 25% by improving / standardizing developer experience tooling
- Nominated by leadership and management peers to be part of the official mentorship training program
- Consistently rated by 360 review feedback to be one of the top technical ICs and communicators in company

Conga
Technical Lead / Senior Software Engineer - Machine Learning / Platform Engineering   *January 2018 - August 2019*
- Lead full-stack development, and launch of new product for ML inferences on contracts (Conga AI Analyze)
- Administered TeamCity server and championed company wide adoption of CI / CD best practices
- Converted manual deployment to automated TeamCity + Spinnaker deployment, saving hours per deployment
- Lead company wide technical offsites with tech leads about Docker, Kubernetes, and Cloud Native concepts
- Lead conversations about designing and standardizing career titles and growth across the organization

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 (TS SCI with CI Poly / SSBI)   *June 2014 - June 2015*
- Wrote Python scripts for system monitoring across 40+ virtualized hosts on mission critical and secured networks
- 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
- (2011) Created C# tool to traverse Twitter user graphs for calculating centrality of users

PROJECTS

- **Blog + Infra**: My personal SRE / DevOps playground. My blog and other projects are served by my personal Kubernetes cluster. Tools used: Jenkins, Spinnaker, Docker Registry, GitHub Actions, Pulumi, Terraform, Skaffold
- **Actions Panel (Now retired)**: Trigger your GitHub Actions manually. Users included Microsoft, GitHub, Docker, Tidal Music, MGM Resorts, and more before GitHub released this feature. Formerly at https://www.actionspanel.app
- **Reading Level**: Analyze your text with all of the common readability tests, all at once. https://readinglevel.app
- **typed-json-dataclass**: Zero configuration strong typing for data models and json SerDe your @dataclasses. On PyPI.