

EXPERIENCE

- **iStreamPlanet (Remote)**
Technical Lead / Senior Software Engineer *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
 - Migrated microservices from Distelli managed static EC2 instances to auto-scaling AWS EKS + CodeFresh
 - Lowered AWS cost by \$25,000 annually by converting microservices to being spot instance compatible
 - Created multi-account / cluster, 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
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- **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.