

EXPERIENCE

- **iStreamPlanet (Remote)**
Technical Lead / Senior Software Engineer - Publishing and Packaging (Live2VOD) August 2019 - Present
 - Driving company wide adoption about "cattle not pets" mentality, ephemerality and Cloud Native best practices
 - Building standardized and portable tooling and local development environments using Docker + docker-compose
 - Leading AWS account resource cleanup from monolith account usage to my team's sub accounts
 - Migrated microservices from Distelli managed static EC2 instances to auto-scaling AWS EKS + CodeFresh
 - Created multi-account/cluster, company wide GitOps AWS EKS workflow using Terraform and GitHub Actions
- **Conga**
Technical Lead / Senior Software Engineer - Machine Learning / Data Team January 2018 - August 2019
 - Administered TeamCity server and drive adoption of CI / CD best practices across the company
 - Converted bash based deployment to automated TeamCity + Spinnaker deployment, saving hours per deployment
 - Lead development and launch of polyglot microservices for ML inferences on contracts (Conga AI Analyze)
 - Lead technical transition to use Docker + Kubernetes from AWS Lambda architecture
 - Taught engineers throughout the company about Docker and Cloud Native concepts
 - Taught leads on other product teams about building and serving a TypeScript + GraphQL applications
- **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
 - 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 schedules
 - 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

- **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.