

EXPERIENCE

- **Color Health (Remote)**
 - *Staff Software Engineer - Tools and Infrastructure. Company wide technical leader* *January 2021 - Present*
 - Leading technical implementation for shifting to containers off of pets / sticky application infrastructure
 - Mentoring engineers across organization for customer facing API design, scalable architecture, and much more
 - Driving scalability improvements increase capable QPS throughput from <50 QPS to >1000 QPS
 - Integrating tracing and profiling across Python / Django applications to reduce latency from >2s to <500ms
 - Double our rate of production deployments through data driven deployment tracking
 - Incrementally re-paving manually provisioned infrastructure with GitOps self service based infrastructure as code
- **iStreamPlanet (Remote)**
 - *Technical Lead / Senior Software Engineer - Product team, Tools and Infrastructure team* *August 2019 - January 2021*
 - Lowered AWS cost by 6 digits monthly by improving applications to use spot instances with zero downtime
 - Developed internal GitOps Kubernetes PaaS for self service and auditable infrastructure to over 70 developers
 - Integrated fully automated CI / CD pipelines to reduce manual deploy time from hours to single digit minutes
 - Owned performance testing and deployment of Golang services to support >10k QPS and >1Tbps of traffic
 - Re-implemented VOD asset delivery to scale from <10 to >100 live streams and from >2h to <60s
- **Conga**
 - *Technical Lead / Senior Software Engineer - Machine Learning / Platform Engineering* *January 2018 - August 2019*
 - Led 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
- **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
- **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

- <https://www.aaronbatilo.dev>: My website has a full list of non-work projects. Some of these projects have:
 - Been featured on the Wall Street Journal, Colorado Sun, Denver 7, Denver 9News, more
 - Used by Microsoft, Docker, GitHub, MGM Resorts, Tidal Music
 - Have collected hundreds of aggregated stars on GitHub