# Aaron Batilo

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## 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