



Anthony Johnson

Goal

To ride eternal, shiny and chrome.

Technical Competencies

Cloud	Amazon Web Services, OpenStack Swift, Selectel(Russia Cloud Provider)
Languages	Go, Java, Ruby, Python, Perl, Objective-C/Cocoa, Qt, C++, xHTML, Javascript, CSS, and Shell scripting
Storage	iSCSI, RAID 0,15,10, ZFS, CIFS, and NFS
Virtualization	Docker, Xen, VMWare, and VirtualBox
Databases	Elasticsearch, Postgres, MongoDB, Oracle RAC 10g/11g and Mysql
Network	F5 and Foundry Load Balancers, Cisco and Juniper Switches, and Cisco Routers
Monitoring	Fluentd, Logstash, SNMP (all aspects), collectd, Graphite, Cacti, OpenNMS and Nagios

Personal Interests

Tech	Business Orchestration, IoT/Raspberry Pi/Arduino and Quantum Physics
Non-Tech	World Cultures, Photography, Kyudo (Japanese Archery), Breadmaking, and aquaponics

Presentations

June 29th, 2017	Devops.com Webinar , Web Presentation. How Can You Adopt A Cloud Native DevOps Model Without Sacrificing Security? https://youtu.be/SdkIRjX0-HY
March 16th, 2017	AWS East Bay MeetUp , Dublin, Ca. Transforming Ellie Mae into a Technology Company https://youtu.be/B4J1x3eUj7I
November 30th, 2016	AWS re:Invent 2016 , Las Vegas, Nv. The AWS Hero's Journey to Achieving Autonomous, Self-Healing Security (SAC402) https://youtu.be/RvljgUT-C0

Community Projects

Fluentd Plugins	json-schema-filter validates incoming events against a JSON schema s3-input takes coming events that have an S3 bucket/key location and will pull the data from S3 into the event.
JMeter	Test Fragment and Setup and Teardown Thread Group Enhancements and Bug Reports
NetFlix Ice	SAML Single-Sign On Login Support
Watir	Element Screenshot Support
Sinatra-Soap	WSDL Support

Experience

- March 2016–Present **Staff Engineer, Cloud Platform and Engineering, Ellie Mae, Pleasanton, Ca.**
- Took on larger role within Ellie Mae to provide technical vision and leadership for re-defining the Ellie Mae Infrastructure team which included Public Cloud, Private Cloud, DevOps, Service Reliability and Performance Engineering
 - Created the Cloud Platform Engineering team built around internal open-source and the development of core business services
 - Started Ellie Mae's open-source initiatives
- May 2016–March 2016 **Staff Engineer, Public Cloud, Ellie Mae, Pleasanton, Ca.**
- Joined Ellie Mae as the principal technical member of the Public Cloud team tasked with helping Ellie Mae become a cloud-native company
 - Reviewed cloud architectures, gave guidance on implementation and technology choices
 - Evangelized what a modern infrastructure teams should be which is agile, not in the way and a global optimizer
- November 2015–May 2016 **Staff Architect, Concurrent, Duluth, Ga.**
- Joined company as a CTO referral with the specific goal of helping him to transform the company into a modern agile company
 - Worked closely with VP of Architecture to transform the role of an architect to better align with agile principles
 - Consulted with VP of Development to provide insights and guidance into agile best practices to improve development team outputs
 - Engaged with the VP of Product and evangelized the usage of product narratives as inputs to development teams
 - Jumped into the middle of complicated, debt-laden product architectures to quickly provide paths to improvements
- January 2014–November 2015 **Senior Cloud Architect, HERE a subsidiary of Nokia, Alpharetta, Ga.**
- Helped to re-build and re-imagine the Cloud Platform team as a micro-service organization
 - Reviewed HERE product architectures to ensure teams utilized AWS properly and efficiently
 - Extended Netflix Ice to add SSO Authentication via SAML with the ability to constrain billing data to Active Directory Security Group memberships
 - Built and maintained the Nokia Linux Amazon Machine Image(AMI) that every team utilized in AWS
 - Implemented AWS Federated Login to support 1,000 unique users across 200 accounts using Active Directory Security Group memberships for account access
 - Identified, scoped and re-designed the Nokia Linux AMI to save the company 250,000 dollars a year
 - Brainstormed, Designed, Implemented and launched the Cloud Platform api and web portal using JAX-RS, Single Sign-on and Angular JS. This self-service portal allowed teams to run tooling, reporting and automation against AWS accounts
- May 2011–January 2014 **Senior System Engineer/DevOps, HERE a subsidiary of Nokia, Alpharetta, Ga.**
- Joined the Internal SWAT team tasked with tackling and mitigating high risk and complicated operational issues
 - Architected and implemented an application for polling all network equipment in HERE DataCenters for hardware configuration, interfaces, spanning tree info, routing tables, cross-connects, and arp tables
 - Data accessed via ActiveRecord
 - Sinatra/Rack backend with a REST API
 - Tool used as an enabler for internal services and a datasource for the HERE CMDB.
 - Worked with internal stakeholders to design, roadmap, and present a business orchestration solution for the Global Network Services team

- February 2008–May 2011 **Senior Research Engineer, Nokia**, Alpharetta, Ga.
- Took on leadership role in new Nokia organization tasked with developing, delivering and sustaining a carrier-grade sync solution for AT&T
 - Implementation owner for helping our team to "be agile" with our development cycles. Gave training to over 30 remote engineers and helped to define our Scrum/Agile processes
 - Worked with remote development teams, including daily stand-up calls, sprint planning meetings, design and code reviews
 - Owned the Performance and Monitoring team for the Sync Platform
 - Provided guidance on data collection, profiling, research and code changes.
 - Standardized our performance testing to JMeter. Designed and oversaw implementation of a SyncML Sampler, SNMP Sampler, and report generations
 - Successfully took product from under-performing on contract required SLA measurements to a 100% pass rate on transaction per second, latency and concurrency
- January 2007–February 2008 **Software Engineer, Air2Web**, Atlanta, Ga.
- Java J2EE development for use in Weblogic, JBoss, and Tomcat using frameworks such as JMS, RMI, JDBC, Web Services, Hibernate, JNDI, JGroups, JMX, Log4J, and Jakarta Commons
 - Promoted to department lead and took ownership of common libraries, documentation via wiki and team communications
 - Enhanced department offerings by providing expertise on Air2Web platform applications and UNIX/Network technologies (SNMP and load balancing)
- 2005–2007 **Senior System Administrator, Air2Web**, Atlanta, Ga.
- 2003–2005 **Jack of All Trades (Linux/Network Administrator, DBA, C++ Developer)**, eMediaTrade, Roswell, Ga.
- 1999–2003 **Operations Engineer, Pathfire**, Roswell, Ga.