



Anthony Johnson

Goal

To ride eternal, shiny and chrome.

Technical Competencies

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| 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

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

Recent Notables

- April 24th, 2018 **Elastic Meetup**, Delivering Telemetry as Code, Pleasanton, Ca.
Organized and Executed Ellie Mae's first Meetup! Main presenter. Presented a thought leading "Telemetry as Code" topic including a custom Terraform Provider that maintains Kibana artifacts.
<https://www.meetup.com/Silicon-Valley-Elastic-Fantastics/events/249601381/>
- February 22nd, 2018 **Evident.io Webinar**, Evolution of DevSecOps.
Part of a 3 company panel (Evident.io, Verizon and Ellie Mae) to discuss the evolution of DevSecOps within companies. This web event was attended by over 200 people.
<http://info.evident.io/evolution-of-devsecops-revisited-webinar-02222018.html>
- November 27th, 2017 **AWS re:Invent 2017 non-profit hack-a-thon**, Winner, Las Vegas, Nv.
Our team created a solution for scanning AWS Accounts for malicious content in S3 buckets. We worked for a non-profit company named Thorn whose goal is to rid the internet of malicious child media. I focused on our design, presentation and was the main presenter of the concept.
<https://twitter.com/awsreinvent/status/935525498884632577?lang=en>
- November 9th, 2017 **Ellie Mae Game of Hacks hack-a-thon**, Organizer/MC, Pleasanton, Ca.
Worked with internal comms, marketing, and engineering leaders to organize and execute Ellie Mae's 2017 hack-a-thon. We had over 40 teams and 150 engineers participate.
- 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/RvljgfUT-C0>

Pleasanton, CA

Community Projects

- Terraform Elastic Provider** [terraform-elastic-provider](#) allows you to deploy Kibana index-patterns, saved searches, visualizations and Dashboards as code.
- 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

Experience

- Mar 2017 to Present **Principal 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
 - Organized and Executed Ellie Mae's internal hack-a-thons.
- May 2016 to Mar 2017 **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
- Nov 2015 to 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
- Jan 2014 to Nov 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 to Jan 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
- Feb 2008 to 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
- 2007–2008 **Software Engineer, Air2Web, Atlanta, Ga.**
- 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.**