Anthony Johnson

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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

Recent Notables

February 27th, 2019 — **Elastic{on} Roadshow**, *Telemetry as Code*, Presenter, San Francisco, Ca.
Presented a new way of managing telemetry artifacts by using Terraform. By using Terraform, telemetry concerns can easily be pushed back to the product engineering teams allowing dashboards defects to be treated as product defects. My open-source terraform provider, terraform-provider-elastic, was developed to solve the problem.

February 19th, 2019 — **Ellie Mae "BFH" hack-a-thon**, *Organizer/MC*, Pleasanton, Ca.
Worked with internal comms, marketing, and engineering leaders to organize and execute Ellie Mae's 2019 hack-a-thon. We had over 40 teams and 200 engineers participate.

February 9th, 2019 — **MineFaire**, Visualizing Social Media in Minecraft, San Mateo, CA.
Educational presentation targeted for ages 7-14 years old. Showed how someone could utilizing Java and other Minecraft development kits to visualize data from Twitter within Minecraft. Demo was a programmatically generated village that represented people you were following.

November 27th, 2018 — **AWS re:Invent 2018 non-profit hack-a-thon**, *Winner*, Las Vegas, Nv.
Myself and another team member were the first ever, multiple winner of the AWS non-profit hack-a-thon. We came back to defend the title and 16 hours later, we were crowned the winner for the second year in a row. My contributions were architecture, presentation, presenter and I implemented one of our mock interfaces.
https://foghornconsulting.com/reinvent-hackathon-defending-the-title/

October 22nd, 2018 — **HashiConf**, How EllieMae delivers using Terraform Enterprise, San Francisco, CA.
Presented Ellie Mae's Terraform Enterprise solution including best practices, adminstrative management via pull requests and how to scale it to the business. The focus was on delivering a multi-tenant CD system.
https://www.youtube.com/watch?v=brsCMYIc9iU

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/RvIjgfUT-C0

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.
	○ Provided technical vision and leadership for re-defining the Ellie Mae Infrastructure team which includes Public Cloud, Private Cloud, DevOps, Service Reliability and Performance Engineering to be a service-based organization.
	○ Created and managed the Cloud Platform Engineering team built around internal open-source and the development of core business services to provide the last mile of the cloud (the delta between what the cloud provides and what the business needs).
	○ Started Ellie Mae's open-source initiatives including the management of open-source publishing and governance within the company.
	○ Organized and Executed Ellie Mae's internal Hack-a-Thons, Tech Mixers, and Late-night Hack sessions.
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 2013 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 2012 to
Jan 2013
	Full Stack Engineer, Global Networks, *Nokia*, Alpharetta, Ga.
	○ Architected and implemented an application for polling all network equipment in Nokia 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 Nokia CMDB.
	○ Worked with internal stakeholders to design, roadmap, and present a business orchestration solution for the Global Network Services team

Feb 2008 to
May 2012
	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.