



# Anthony Johnson

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*Cloud – Automation – Operations – Development – Monitoring*

## Goal

Looking for a Challenge. Looking to have an impact. Looking to make a difference.

## Technical Competencies

### Languages

Ruby, Java, C/C++, Perl, Python, Objective-C/Cocoa, Qt, xHTML, Javascript, CSS, and Shell scripting

### Storage Networking

iSCSI, RAID 0,15,10, ZFS, CIFS, and NFS

### Virtualization/Clouds

AWS, Xen, VMWare, and VirtualBox

### Databases

Postgres, MongoDB, Oracle RAC 10g/11g and Mysql

### Network Infrastructure

Load Balancers, Switches, and Routers

Cisco, Juniper and Foundry

### Network/Server Monitoring

SNMPv1|2c|3, collectd, Net-SNMPD and JMX

Graphite, Cacti, OpenNMS and Nagios

## Personal Interests

### Technical

Cluster Computing, Business Orchestration, Raspberry Pi/Arduino and Quantum Physics

### Non-Technical

World Cultures, Photography, Kyudo(Japanese Archery), Breadmaking, and Aquaponics

## Community Projects

JMeter Enhancements and Bug Reports

NetFlix Ice SAML Single-Sign On Login Support

Watir Element Screenshot Support

Sinatra-Soap WSDL Support

## Experience

- January 2014–present **Senior Cloud Architect, HERE a subsidiary of Nokia, Alpharetta, Ga.**
- One of two engineers tasked with re-building the Cloud Platform team for the Nokia HERE and Nokia CTO companies
  - Reviewed HERE product architectures to ensure teams utilized AWS properly and efficiently
  - Extended Netflix Ice to add SAML Authentication support with the ability to constrain billing data access via Active Directory Security Group memberships
  - Built and maintained the Nokia Linux Amazon Machine Image(AMI) that every team ran in AWS
  - Designed and 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
- 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 a Network Application for polling all network equipments in HERE DataCenters for Hardware, Interface, Spanning Tree, Routing, Interconnects, ARPs and Bridge Table info.
    - Data organized into a well-structured ActiveRecord Model
    - Sinatra/Rack backend with data exposed via 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)
- May 2005–February 2007 **Senior System Administrator, Air2Web, Atlanta, Ga.**
- Implemented SNMP polling and trap notification by writing custom MIBs and Perl scripts as well as designing and writing a C++ application to generate statistics from proprietary log files for long-term trending via Cacti/RRDTool.
  - Created Requirements and Implementation documents for projects for use by Operations and Development.
  - Designed and implemented a datacenter tracking application written in Perl that enabled the company for the first time to successfully catalog and audit all systems running in 4 different datacenters.
- 2003–2005 **Jack of All Trades (Linux/Network Administrator, DBA, C++ Developer), eMediaTrade, Roswell, Ga.**

1999–2003 **Operations Engineer**, *Pathfire*, Roswell, Ga.