Anthony Johnson

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 Login Support
Watir	Element Screenshot Support
Sinatra-Soap	WSDL Support

Experience

Senior Cloud Architect, *HERE a subsidiary of Nokia*, Alpharetta, Ga.

January 2014–present

- One of two engineers tasked with Re-building the Cloud Platform team for the Nokia HERE and Nokia CTO companies.
- Reviewed every HERE product architecture for proper and efficent use of Cloud Resources.
- Extended NetFlix ICE to add SAML Authentication support with the ability to expose billing data via Active Directory Security Group memberships
- Built and maintained the Nokia Linux AMIs that every HERE product in AWS utilized.
- Designed and Implemented AWS Federated Login to support 1,000 unique users across 200 accounts.

Senior System Engineer/DevOps, *HERE a subsidiary of Nokia*, Alpharetta, Ga.

May 2011–January 2014

- 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.

Senior Research Engineer, *Nokia*, Alpharetta, Ga.

February 2008–May 2011

- 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 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.

Software Engineer, *Air2Web*, Atlanta, Ga.

January 2007–February 2008

- 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)

Senior System Administrator, *Air2Web*, Atlanta, Ga.

May 2005–February 2007

- 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.

Jack of All Trades (Linux/Network Administrator, DBA, C++ Developer), *eMediaTrade*, Roswell, Ga.

2003–2005

Operations Engineer, *Pathfire*, Roswell, Ga.

1999–2003