

## Goal

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

## Technical Competencies

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

## Personal Interests

Tech	Business Orchestration, Raspberry Pi/Arduino and Quantum Physics
Non-Tech	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	<b>Senior Cloud Architect, HERE a subsidiary of Nokia, Alpharetta, Ga.</b> <ul style="list-style-type: none"><li>Helped to re-build and re-imagine the Cloud Platform team as a micro-service organization.</li><li>Reviewed HERE product architectures to ensure teams utilized AWS properly and efficiently</li><li>Extended NetFlix Ice to add SSO Authentication via SAML with the ability to constrain billing data to Active Directory Security Group memberships</li><li>Built and maintained the Nokia Linux Amazon Machine Image(AMI) that every team utilized in AWS</li><li>Implemented AWS Federated Login to support 1,000 unique users across 200 accounts using Active Directory Security Group memberships for account access.</li><li>Identified, scoped and re-designed the Nokia Linux AMI to save the company 250,000 dollars a year</li><li>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.</li></ul>
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- 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)
- 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.**