

Work Experience

- **Cox Automotive / Manheim** Atlanta, GA
Sr. Software Developer - Release Engineering Tooling *September 2015 - Present*
 - Evangelized code review, unit testing and CI/CD for Release Engineering’s own tooling. Presented and evangelized RE products to management and software development teams.
 - Architecture, design, deployment and support lead for Hashicorp Vault implementation including functional and security monitoring, extensive related tooling, automated deployment, documentation, DR procedures, and application integration.
 - Backup and disaster recovery tooling and procedures for highly-visible production Consul cluster.
 - Extensive development for our in-house self-service Jenkins infrastructure project; automated unit and acceptance tests, swarm node management, Vault integration, documentation, release/versioning/upgrade process.
 - Implemented self-service administrative tool for globally searching GitHub Enterprise.
 - Docker Distribution (Registry v2) implementation, automation, upgrade and disaster recovery.
 - Lead internal implementation of Capital One’s Cloud Custodian; extensive policy development, supporting tooling and monitoring.
 - Introduced and evangelized use of AWS Lambda for administrative and internal tasks.
- **Cox Media Group - Digital (CMGd)** Atlanta, GA
Automation & Tools Engineer *June 2013 - September 2015*
 - Designed and developed large portions of “batteries-included” (CloudWatch, NewRelic, Logstash) single-click Python webapp deployment tooling using Puppet, Packer and AWS CloudFormation (Troposphere and Boto). Replicated for Wordpress and ported to internal VMWare environment.
 - Developed and implemented AWS tagging standard for complete per-app cost tracking (using NetFlix Ice); implemented AWS cost saving measures to reduce cost of some applications by up to 60%.
 - Designed Puppet3 infrastructure using latest best practices; planned and executed migration of 300 existing nodes to new infrastructure. This included monitoring and deployment/testing (Jenkins) /promotion of code.
 - Took lead role in design/planning and buildout of multiple production-like test environments; cut buildout time for environments 2+ by approximately 75%. Automated development environment creation to reduce buildout time by 60+%.
- **Cox Media Group - Digital (CMGd)** Atlanta, GA
Systems Engineer *October 2012 - June 2013*
 - General and On-Call duties in a large and fast-paced Django-based web environment.
 - Designed and deployed multi-node Graphite cluster for metric storage and display; began alerting off of metrics.
 - Proof of concept for migration from Nagios/NagiosSQL to Icinga with Puppet-generated configuration.
 - Rewrote Puppet yum/rpm version comparison to fix numerous bugs; merged and released in puppet4.
- **TechTarget (NASDAQ: TTGT)** Alpharetta, GA
System Administrator *November 2011 - October 2012*
 - Design and implementation of Puppet-based configuration management and provisioning for all new server deployments.
 - Technical lead - monitoring and performance analysis of Linux OS, application software, and VMWare; development of internal tools and infrastructure; lead/architect for Nagios, collectd, centralized logging, log analysis, and DNS infrastructure redesign.

- Rutgers University - Central Systems & Services**

Piscataway, NJ

System Administrator September 2007 - October 2011

 - Specification, design, implementation and ongoing second-level support of centralized production services including configuration management (Puppet), DHCP, WPA2/RADIUS authentication and accounting, centralized logging (rsyslog), residential (dorm) network authentication / registration / DHCP infrastructure (30,000+ users).
 - Investigated security issues on campus wireless network; identified and analyzed security vulnerabilities in vendor-supplied software and hardware.
 - Third-level support and troubleshooting of campus-wide wireless network and wired residential network issues. Assisted with network administration tasks.
 - Development and proof-of-concept of University common area wired 802.1x authentication, with captive portal and MAC auth fall-through.
 - Development and support of custom linux-based appliances / embedded network devices.

Education

- Rutgers University**

Piscataway, NJ

BA, Information Technology and Informatics January 2006 - October 2009

 - BA in Information Technology and Informatics, Rutgers College / School of Communication and Information. Minor in General History.

Volunteer Experience

- Midland Park Ambulance Corps**

Midland Park, NJ

(501(c)(3) non-profit) January 2006 - January 2012

 - Responsible for engineering and administration of internal network, applications, and Internet-accessible resources supporting 911 Emergency Medical response as a local, county and state resource.
 - Design, development and ongoing support of a custom application to manage patient care records, crew scheduling, internal administrative functions, finances/budgeting, and VoIP-based crew member response tracking.
 - Served in numerous capacities including EMT-B, Crew Chief, By-Laws Committee Chairman, Computer Committee Chairman, Treasurer and First Lieutenant (operational second-in-command).

Skills

Languages: Current languages: Python (six years), Ruby (three years). Basic or previous knowledge of Groovy, PHP, Perl, bash.

Operating Systems: Twelve years experience in use and administration of Linux; 10 years experience architecting and administering production Linux servers and applications. Primarily CentOS/RedHat on servers and AWS, Arch Linux personally. Experience with Vyatta Network OS/VyOS, Cisco CatOS and IOS.

Software: Many Amazon (AWS) offerings. Hashicorp Terraform, Vault, Consul, Packer, and related tools. Jenkins. Puppet. Graphite, Logstash/Elasticsearch, rsyslog, Nagios/Icinga. MySQL, PostgreSQL. Apache httpd, nginx. Git. Former experience with Solr, Postfix, ISC BIND9, ISC dhcpd, FreeRADIUS, Asterisk, OpenLDAP.

Platforms: AWS. Previous experience with many datacenter technologies: VMWare, most Enterprise-grade server hardware, F5 Big-IP Load Balancers, network hardware, embedded devices, Meru and BlueSocket wireless hardware. Previous experience in datacenter operations and physical infrastructure (copper/fiber/power) management.

Open Source Projects and Contributions

See resume.jasonantman.com for highlights or <https://github.com/jantman>.