

Work Experience

- Cox Automotive / Manheim** Atlanta, GA
 - Sr. Software Developer - Release Engineering Tooling* September 2015 - December 2017
 - Lead Software Engineer - Release Engineering* December 2017 - Present
 - Lead Release Engineering in developing a relentless customer focus; set goals that our documentation, design and user experience be on-par with external (open source or proprietary) software.
 - 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.
 - Lead architecture and development for our self-service Jenkins solution, used by over 60 development teams; developed test, release, and upgrade process.
 - Served on cross-organization external DNS resiliency task force; paired to design and implement emergency DNS failover solution.
 - Designed and lead implementation of AWS account provisioning process and tooling, reducing provisioning time for new accounts from 2-4 weeks to approximately 2 days.
 - Served on Manheim security team; automated deployment of security tooling to legacy cloud environments, developed PoC of code and IaC security scanning in pipelines.
 - Planned, documented, partially automated, and supported GitHub Enterprise SCM migration of approximately 3000 repositories and decommission of old git server.
- 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, including monitoring and deployment / testing / promotion of code.
 - Took lead role in design/planning and build-out of multiple production-like test environments. Cut build-out time for subsequent environments by approximately 75%.
- Cox Media Group - Digital (CMGd)** Atlanta, GA
 - Systems Engineer* October 2012 - June 2013
 - General and On-Call duties in a large (10.5M views/day) and fast-paced Django 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 with NagioSQL configuration 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: primarily Python (ten years). Basic or previous knowledge of Ruby, Groovy, PHP, Perl, bash, JavaScript.

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

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

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>.