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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.
    - Architecture, design, deployment and support for Hashicorp Vault implementation including functional and security monitoring, extensive related tooling, automated deployment pipeline, documentation, DR procedures, and application integration.
    - Developed backup and disaster recovery tooling and procedures for widely-used 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.
    - Lead internal implementation of Capital One's Cloud Custodian; extensive development of policies as well as deployment, support, and monitoring tooling.
    - Expanded 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, 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: 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; ten 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.