

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.

Work Experience

- **CMG Digital** Atlanta, GA
Automation & Tools Engineer *June 2013 - Present*
 - Designed Puppet3 infrastructure using latest best practices, planned and executed migration of existing nodes to new infrastructure. This included monitoring and deployment/testing/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+%.
 - Planned use of environment variables in Apache httpd configurations to replace divergent configuration with a single git repository promoted between environments.
 - Assisted small team with overhaul of nightly production to dev environment database clone procedure (500GB PostgreSQL database).
 - Developed prod-like Vagrant-based local development environment for main application (Django CMS).
 - Assisted in planning and development of single-click application stacks in AWS using Puppet, Packer and CloudFormation.
 - Contributions to Puppet and community modules as well as other open source projects.
 - Developed vagrant-r10k plugin to allow provisioning puppet modules for Vagrant via r10k Puppetfile.
 - SME for various operations/automation topics and some applications.
- **CMG Digital** Atlanta, GA
Systems Engineer *October 2012 - June 2013*
 - General and On-Call duties in a large and fast-paced web media environment.
 - Deployed RPM build environment for internal and rebuilt external packages; packaged RPMs of Apache Tomcat, Zookeeper, and NodeJS for internal deployment.
 - 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.
- **TechTarget (NASDAQ: TTGT)** Alpharetta, GA
System Administrator *November 2011 - Present*
 - Design and implementation of Puppet-based configuration management and provisioning for all new server deployments.
 - Technical lead - monitoring and performance analysis of Linux OS and application software, VMWare ESX/vCenter5/vSphere; distributed Nagios and collectd infrastructure, Veeam One virtualization monitoring for end-users, Tidal Enterprise Scheduler.
 - Development of internal tools and infrastructure; technical lead/architect for centralized logging, log analysis, DNS infrastructure redesign.

- Rutgers University - Central Systems & Services**

Piscataway, NJ

September 2007 - October 2011

System Administrator

 - 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.
 - Extensive scripting and custom tool development (PHP/Ajax, some Java and Python) - Linux services, Puppet, ISC dhcpd, FreeRADIUS, Meru and BlueSocket wireless equipment, etc.
 - 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.
- Rutgers University - NetOps**

Piscataway, NJ

April 2006 - May 2007

Student Systems Programmer

 - Responsible for various web application programming projects, primarily developed with PHP/MySQL on Linux and Solaris.

Volunteer Experience

- Midland Park Ambulance Corps**

Midland Park, NJ

January 2006 - January 2012

(501(c)(3) non-profit)

 - Sole person responsible for engineering and administration of mission-critical internal network, applications and Internet-accessible resources supporting 911 Emergency Medical response as a local, county and state resource.
 - Responsible for design, development and ongoing support of a custom application to collect and store patient care records, as well handling crew scheduling and internal administrative functions.
 - Served in numerous capacities including EMT-B, Crew Chief, By-Laws Committee Chairman, Computer Committee Chairman, Treasurer and First Lieutenant (operational second-in-command).
 - Developed VoIP-based system for EMTs to notify dispatch of their response to an emergency call.

Skills

Languages: Current languages: Python, Ruby, Bash/Sh. Previously used: PHP, Perl. Basic knowledge: C, Java.

Operating Systems: Twelve years experience in use and administration of Linux; 7+ years experience architecting and administering production/critical Linux servers. Majority of recent experience with CentOS/RedHat 5-7; former experience with SuSE (7.3-11.3). Basic Solaris 9/10 skills (mainly migration to Linux). Vyatta Network OS/VyOS, Cisco CatOS and IOS. MacOS (user).

Software: Strong: Puppet and related tools, Vagrant, Packer.io, Nagios/Icinga, Graphite, Apache HTTPD, Git. Moderate: AWS CloudFormation, pip/virtualenv, MySQL, Postfix, Solr, Logstash, Elasticsearch, Tomcat. Previous: ISC BIND9, ISC dhcpd, FreeRADIUS, rsyslog, Asterisk, OCS Inventory, OpenLDAP, memcached. Protocols: RADIUS, DHCP, DNS, SNMP.

Hardware: HP Proliant, Sun, Dell and SuperMicro x86/x86-64 servers, HP iLO, Sun iLOM. Linux- and BSD-based network devices. Soekris embedded computers, Meru and BlueSocket wireless access points and controllers. Cisco network hardware. Avocent/Cyclades ACS console servers. F5 BigIp load balancers. Experience with physical infrastructure maintenance (copper, fiber, power) and data center operations.

Open Source Projects and Contributions

See resume.jasonantman.com for highlights.