

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

- **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.
 - Administration and support of homogeneous production and development server infrastructure (Solaris, multiple flavors of Linux, some Windows); 200+ machines (physical and virtual), 30M HTTP requests/day, many web/Java apps on many platforms, lots of outgoing mail.
 - 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.
 - Participation in 24x7 one week on-call rotation for all production services; interface with vendors and Co-Lo providers for troubleshooting and problem resolution.
 - Mentoring of junior SAs and technical interviewing of new candidates.
- **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.
 - System administration and troubleshooting of service-critical Linux (RedHat/CentOS, SuSE) servers and applications (Apache httpd, MySQL, etc.), appliances, and network devices.
 - 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.
 - Third-level support and troubleshooting of campus-wide wireless network and wired residential network issues. Assisted with network administration tasks.
 - Management of Nagios and Cacti for availability and performance monitoring.
 - Development and proof-of-concept of University common area wired 802.1x authentication, with captive portal and MAC auth fall-through.
 - Development of server configuration and security policies, and compliance audit tools.
- **Sun Microsystems** Somerset, NJ
Campus Ambassador *September 2007 - June 2008*
 - Campus Ambassador to Rutgers University, responsible for spreading awareness of Sun's open-source product offerings (OpenSolaris, NetBeans, Java) among students, faculty, and staff.

- **Rutgers University - NetOps**

Piscataway, NJ

- *Student Systems Programmer*

April 2006 - May 2007

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

Volunteer Experience

- **Midland Park Ambulance Corps**

Midland Park, NJ

January 2006 - Present

- 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 (production status since January 2006) of a custom application to collect and store patient care records (currently in second version).
- Responsible for development, support and ongoing improvements to PHP EMS Tools, a web-based application for scheduling, roster and certification tracking and day-to-day administrative tasks for volunteer emergency services organizations. In production at Midland Park Ambulance Corps since January 2007. (See below, “Projects”.)
- Served in numerous capacities including Crew Chief, By-Laws Committee Chairman, Computer Committee Chairman, Treasurer and First Lieutenant (second-in-command).
- Developed VoIP-based system for EMTs to notify dispatch of their response to an emergency call.

Skills

Languages: Extensive experience with PHP, Python, Bash/Sh, SQL. Moderate skill in Perl, Java. Basic knowledge of C.

Operating Systems: Nine years experience in use and administration of Linux. 5+ years experience administering production/critical Linux servers. Majority of recent experience with CentOS/RedHat 5 and 6; former experience with SuSE (7.3-11.3). Basic Solaris 9/10 skills (mainly migration to Linux). Vyatta Network OS, Cisco CatOS and IOS. MacOS (user).

Software: Strong: Puppet/Foreman, ISC dhcpd, FreeRADIUS, rsyslog, Nagios/Icinga, Cacti, Bacula, Apache HTTPD, MySQL, Postfix, Procmial, MediaWiki, IPtables, Vyatta router/firewall. Moderate: ISC BIND9, Asterisk, Subversion (SVN), WordPress, OCS Inventory, OpenLDAP, Veeam One, rsync. Basic: NIS (ypserv), Dovecot, CUPS, Xen and VMWare virtualization (vCenter/vSphere), Tomcat, RoR/Phusion Passenger, Redmine, Apache SOLR, Vignette7/8, Resin, memcached, Tidal Enterprise Scheduler. Strongest Network 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.

Projects

2007–Present: PHP EMS Tools (www.php-ems-tools.com) - a scheduling and administrative tool for emergency services agencies, coded in PHP with a MySQL backend. Also includes LDAP integration and a Asterisk-based system to accept real-time confirmation phone calls from first responders enroute to emergencies. GPL-licensed Free/Open Source with over 1,000 downloads.

See also: <http://www.jasonantman.com> and <http://blog.jasonantman.com> for others.

References and letter of recommendation available upon request.