

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

- **Rutgers University - Central Systems & Services** Piscataway, NJ
System Administrator *September 2007 - Present*
 - Part Time September 2007 - May 2010. Full Time May 2010 - Present.
 - 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 servers, appliances, and network devices.
 - Extensive scripting and custom tool development - 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.
 - Assisted as required with hardware upgrades/installations of wireless equipment and student computer labs.
- **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.
- **Freelance System Administration/Programming** *September 2007 - Present*
 - Developed and implemented PHP-based invoice printing system for electrical parts distributor.
 - Performed full backup, analysis, recovery and documentation of a custom SCO Unix server (broken and abandoned by previous consultant).
 - Other small projects.
- **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: PHP, Python, Bash/Sh, SQL. Basic knowledge of Java, Perl, C.

Operating Systems: 9 years experience in use and administration of Linux (various distributions). 5 years experience administering production Linux servers, 4 years administering mission-critical public safety servers. Majority of experience with CentOS/RedHat, SuSE/OpenSuSE and some Debian. Sun-trained in Solaris 9/10/11. Vyatta Network OS, Cisco CatOS and IOS. MacOS (user).

Software: Puppet, ISC dhcpd, FreeRADIUS, rsyslog, ISC BIND9, Nagios, Cacti, Bacula, Apache HTTPD, MySQL, Postfix, Procmail, OpenSSH, Subversion, MediaWiki, Eventum, WordPress, Asterisk, OpenLDAP, OCS Inventory. IPtables and Vyatta firewall/router platform. Some experience administering Xen virtualization, Dovecot, Cyrus SASL, CUPS. Network Protocols: RADIUS, DHCP.

Hardware: HP Proliant, Sun and Dell 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 and HP ProCurve network hardware. Avocent/Cyclades ACS console servers.

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.

In Progress Meru Networks configuration file generation tool - web-based tool for generating and manipulating Meru Networks controller configurations, specifically adding access points and moving groups of APs between controllers.

Ongoing Various patches and bug reports for open source projects.

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

Activities

Member, USENIX SAGE (System Administration special interest group).

Member, League of Professional System Administrators (LOPSA), New Jersey chapter.

2005 recipient of the Raoul Wallenberg Humanitarian Award (for high school students) presented by the Greater New York Wallenberg Committee, for activities supporting local homeless outreach program.

References and letter of recommendation available upon request.

Letter of Recommendation for Jason Antman

To Whom It May Concern:

As a technical manager, it is not uncommon to hire an entry level employee whose confidence and excitement seem to indicate their naïve understanding of their new job. It is however rare to have one astound you by actually being able to deliver results that far exceed those of employees more senior than themselves. Jason Antman was that employee for my group and to say he has become indispensable, may actually be an understatement.

Jason began working for me full time more than a year ago as a systems administrator, whose primary job function was to assist with developing new systems to support our services. His ability to self-start, and learn whatever the project required to be successful were unmatched. He ended up taking on many challenges that were beyond his job responsibilities, such as suggesting and implementing new documentation and monitoring standards, simply because he felt the group would benefit.

During Jason's time in my group, he was the lead developer on three high priority projects. The first project, a high capacity DHCP server for our dorm networks, was so successful that we decided to take on an even more ambitious challenge, another DHCP server for our 36,000 wireless users. The second server presented much more significant challenges that required Jason to research and apply new skills at a rapid pace. It was with that project that I began to realize Jason's real value as a methodical problem solver. Both servers set new standards in our group for stability and documentation. The last project, an 802.1x RADIUS server with the ability to authenticate against multiple data stores required a real integrated understanding of our services. The beta testing of this server was astonishingly brief because of the thought put into designing the system.

As Jason's technical manager, I have had the pleasure of working with him nearly every day since I interviewed and hired him. He has so far exceeded my expectations that I am almost certain I will be unable to replace his contributions to my group with a single new hire. In the ten years I have worked at Rutgers, he is one of the most dedicated and talented people I have ever worked with and he truly possesses a love of the challenge.

In reading this letter of recommendation, it may appear that my opinion of Jason is overly enthusiastic. However, I honestly feel that given the opportunity, Jason will make a believer out of you. Please feel free to contact me if you would like further details about specific projects and accomplishments.

Sincerely,



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