

Amin Astaneh

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Objective: Unix/Linux System Administration position.

Education:

Bachelor of Science in Computer Science, University of South Florida
Overall GPA 3.33/4.0

December 2008

Skills:

Platforms: x86_64, x86, and SPARC SMP Servers (Sun, Dell, HP)
Operating Systems: Linux 2.6 (RHEL 5.5, Fedora 13), Solaris 10, Windows XP
Languages: C/C++ (GNU Toolchain), Perl, Bash, PHP, Python, SQL
Services: Red Hat Cluster, Sun Grid Engine, Apache, Cyrus-IMAPd, Postfix, MySQL
Admin Tools: Nagios, XCAT, Puppet, Cacti, MRTG, Modules, PDSH, VirtualBox, XEN
Other: Experience with Force10 router equipment, Wordpress CRM, Moodle

Specialized Courses:

Computer Security, Networks, Advanced Discrete Structures, Algorithms, and User Interfaces.

Projects:

System Provisioner(Summer 2008)

Designed and implemented an automated solution for installing operating systems on HPC nodes. Utilized IPMI and PXE (DHCP/TFTP) network protocols, MySQL to manage host data, and RedHat Kickstart to automate host configuration. Implemented in Perl/PHP. Moved to XCAT/Puppet in Spring 2010.

Undergraduate Thesis: Audit-IDS(Spring 2007)

Implemented a prototype IDS system written in C using Red Hat's libaudit library. Presented at 2007 Red Hat Summit.

Experience:

HPC System Administrator (part time from October 2007 to April 2009, full-time to Present)

Research Computing, USF Information Technology, Tampa FL

Provide IT technical support for users of the Circe HPC system, including the configuration, installation, and troubleshooting of scientific codes using toolchains based on various compilers and OpenMPI. Administer over 300+ compute nodes and infrastructure servers that support standard and high-performance data storage and HPC job scheduling. Write, maintain, and document custom monitoring, automation, and system provisioning utilities.

System Administrator (part time from January 2005 to October 2007, provide consulting to Present)

Qwik.net Systems, Plant City FL

Supported Email and Web Hosting Infrastructure. Developed Open-Source applications for Email Administration and spam filtering. Developed a Fedora-based livecd distribution for turnkey firewall appliances.

Organizations and Leadership Roles:

Member ACM, Whitehatter's Computer Security Club.

Publications and Program Chair of student branch of ACM (2005-2007).