Musee Ullah

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Overview

I am a 20 year old systems administrator and server firefighter aspiring to become both a developer and administrator. I learn very quickly in practice and am not afraid to take on new ventures. I enjoy what I do and hope to someday create and maintain world-changing applications.

Work Experience

HostGator.Com, LLC, Austin, TX

Systems Administrator - June 2011 to July 2012

Resolved hundreds of issues per week through a support ticket system, including:
- PHP/MySQL/Rails/website/application errors, issues
- Backups and restorations
- Reboot triage and server tuning (MySQL and Apache particularly)
- Software upgrades and installations (Apache/PHP modules, Redmine, phpBB, etc.)
Also filed internal bug reports and wrote documentation for our support knowledgebase and internal wikis.

Highlight: I was employee of the month for November 2011 (out of ~120 admins).

Systems Monitoring - December 2011 to July 2012

I proactively monitor the shared server portion of our farm (>4500 servers), as part of a team (of 1-2 others usually). My typical day consists of the following:
- Severe load issues, immediate response and triage, gathering data and acting on it (ties into below)
- User abuse issues, mostly site performance related, some spam and miscellaneous abuse
- Server health, including disk space/performance issues, filesystem checks, general server happiness, etc.
- Network/service uptime, resolving UDP/SYN floods, Slowloris/(D)DoS, broken configurations, etc.
- Individual site performance reviews, and keeping sessions open on problem servers all night.
I also write public announcements on our network status forums for extended downtime issues.

Highlight: I was an important asset in migrating our shared/reseller servers from 32- to 64-bit.

Projects

ZMonitor

Console client for the Zabbix monitoring suite, developed in Ruby. It interfaces with the Zabbix API using JSON for gathering current active triggers and acknowledging events. It basically provides a CLI dashboard, a method to easily acknowledge several related alerts, and one to feed output to other applications.

Skills

OS/Distros: CentOS, Arch Linux, Gentoo Linux, WinXP
Scripting: Bash, Ruby
Markup: Markdown, (X)HTML (incl. HTML5), CSS3, YAML, LaTeX
Programming: PHP, Ruby
HTTP: Lighttpd, Apache, nginx*, Mongrel
Monitoring: Zabbix, sysstat, IPMI, tcpdump/ngrep, iptables
Data/FS: RAID*, LVM2, FUSE, rsync, testdisk, NFS*
Version Control: Git*, Subversion*
Package Managers: portage, pacman, yum/rpm
Virtualisation: Virtuozzo*, VirtualBox, (qemu)KVM*
Miscellaneous: cPanel/WHM, LAMP, GCC/Compiling software, BIND, *Jekyll*
* indicates partial understanding and ability to set-up/troubleshoot, and that it is a skill in progress*

Education

University of Illinois at Urbana-Champaign: Completed a semester as an East Asian Languages major, with a 4.0 GPA in Japanese.