

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 present

I resolved hundreds of issues per week through our ticket system across thousands of servers. These ranged from common MySQL issues, backups and restorations, and reboot triage to web server/database tuning, major software upgrades and custom installations, filing bug reports, writing documentation, etc.

Highlight: I was employee of the month for November 2011 (5th month at the job/out of ~120 admins).

Systems Monitoring - December 2011 to present

As one unit of a small team of monitors (3-4 usually), I proactively monitor the entire shared server portion of our farm (over 4500 servers) for issues before they become major. Issues I handle range from CPU abuse, low disk space, and hard drive errors to Denial of Service attacks/flooding, disaster recovery, and individual site performance reviews. I also make public announcements on our network status forums for extended downtime issues.

Highlight: I provided significant assistance in migrating the architecture of our shared/reseller servers from 32-bit to 64-bit.

Projects

ZMonitor

This is a console client for Zabbix that I developed in Ruby, as the Zabbix monitoring software did not come bundled with one. It contacts the API (json) and generates a dashboard-like interface to show current active problems, their acknowledgement status and priority. This client also allows acknowledgement of active triggers, and other features like server history are underway.

Skills

OS/Distros: CentOS, Arch Linux, Gentoo Linux, Fedora, Ubuntu*, WinXP

Scripting: Bash, Ruby

Markup: Markdown, (X)HTML (incl. HTML5), CSS3, YAML, LaTeX

Programming: PHP, Ruby

HTTP: Lighttpd, Apache, nginx*, Mongrel

Database: MySQL, PostgreSQL*

Mail: Exim, Dovecot

Monitoring: Zabbix, sysstat, IPMI

Network: tcpdump/ngrep, iptables

Data/FS: RAID (3ware, Adaptec, MegaRAID)*, LVM2, FUSE, rsync, testdisk

Version Control: Git*, Subversion*

Package Managers: portage, pacman, yum/rpm

Virtualisation: Virtuozzo*, VirtualBox, TightVNC

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.