Jack Hamilton

DEV-OPS

Summary

Enjoy automating away tasks through programming and mastering tools to maximize server maintenance efficiencies. Seeking DevOps positions, especially those working with cloud and virtualization technologies.

Contact

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RELATED Skills

**SCRIPTING LANGUAGES:**

* Python
* Elixir
* Perl
* UNIX shell-script (Bourne/Bash, C shell, Korn)
* MS DOS batch

**VIRTUALIZATION:**

* Ubuntu LXC/LXD
* Qemu KVM
* Oracle Virtual Box
* VMware Server/ESXi
* Cygwin
* MKS Nutshell
* DOSBox
* Daemon Tools optical drive emulation

**FILESERVER/FILESYSTEM EXPERIENCE:**

* Hardware RAID 0,1, 5, 6 setup/configuration
* Windows NTFS and legacy
* Linux btrfs, ext2/3/4, CIFS/Samba, NFS, LVM, Grub, Parted, FDISK

**NETWORKING:**

* Ansible automation
* Cisco CCNA coursework
* Tectia SSH install, configuration
* OpenSSH install, configuration
* SSH transfer automation

EXPERIENCE

**Freelance Work** San Diego, CA

June 2016 – Present

* Lubuntu 16.04 LTS server install and setup. LXC host environment running array of LXD virtual containers on HP ProLiant server with dual 6-core E5-2440 processors (24 logical processors) on BTRFS filesystem with hardware RAID managed with Ansible.
* Installed and configured BTRBCK automated hourly/daily backup system, including off-site backups.
* Building PC workstations from scratch, including ordering and installing motherboards and peripherals, CPUs, liquid cooling, memory, harddrives, Windows 10 and Lubuntu OSes, related software (antivirus, updates, etcetera).

**Dev Bootcamp** San Diego, CA

**Student** Dec 2015 – May 2016

* 1000+ hours coding in 19 week fully immersive, 60-80 hours/week programming boot camp.
* Deployed applications to Heroku cloud servers.

**Mitsubishi UFJ Financial Group** San Diego, CA

**Sr Software Developer/Analyst** Oct 2005 to Apr 2016

* Co-designed/co-wrote Ansible-like automated weekly server health report XML-configurable program from scratch to automatically perform post weekly reboot and post-patch validation across 200+ Windows (2K, 2K3, 2K8) servers. Automation replaced manual weekly validations that took hours to perform down to under 1 hour and with multiple metrics (confirm servers online, uptime validates reboot actually took place, confirmed filesystems read-writeable, expected ACLs and admin groups not modified from previous week) with email reporting and alerting.
* Installed and administered clustered Windows-based (2008) Tectia SSH Servers.
* Installed and administered 5 SUSE Linux hardware controllers used for Magnetic Character Recognition sorting of checks.
* Installation and application support of several bank systems, including Vision IP, NCR-based check depositing systems (running WebSphere), and others. Systems in use by 200+ commercial businesses, 1000+ users, internal staff.
* Windows server administration and application support, including working with Change Management for systems patching/upgrades/software testing and releases. Coordinated and performed patch updates during maintenance windows. Coordinated and performed annual contingency disaster-recovery scenarios for annual certifications.
* Administered 3 SUSE Linux workstations for use by NETCOBOL developers.
* Department network liaison to IT network team for departmental network VLAN changes.
* 24/7 Tier III on-call support.

**Syntricity** San Diego, CA

**UNIX Systems Support Engineer** Summer 2005

* Setup, configured company’s Java/Oracle-based application and FTP data transfers on customer UNIX servers.
* Maintained existing UNIX shell & Python scripts.
* Tier II support to Help Desk for setup/configuration/troubleshooting of issues for UNIX/Windows environments and FTP pushes/pulls for electronic data transfers.

**Memec** San Diego, CA

**Senior/Lead Tech Support Analyst** 2002 to 2005

* Tier I Help Desk Support.
* Batch scripting for Windows desktop task automation.

**Southwestern College** San Diego, CA

**Computer Lab Technician & Tutor** 1999 to 2000

* Windows tech support in the faculty/staff computer lab.
* Installed and maintained Linux server for use by Operating Systems class.

**Stanford University** Palo Alto, CA

**Tech Support Consultant** 1998 to 1999

* Provided UNIX (Solaris), PC and Mac technical support to users of the Stanford University Network, consisting of 30,000+ students, faculty and staff.
* Customer support was handled via walk-ins, email, but predominantly over the telephone.
* Position commanded friendly customer service, good interpersonal skills while in a team-oriented environment, and extensive knowledge of several software packages on several platforms, as well as excellent troubleshooting skills.

Education

**Dev Bootcamp** San Diego, CA

**Student** Dec 2015 – May 2016

* See “Experience” section above.

**San Diego Continuing Education** San Diego, CA

**Student** 2005

* CCNA coursework. Hands-on experience accessing and flashing new firmware, configs to NVRAM via telnet/TFTP.

**Stanford University** Palo Alto, CA

**Student** 1996-1999

* Computer Science coursework.