JACK HAMILTON

SUMMARY

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

CONTACT

- jack@jackhamilton.net
- Cell: 619-471-5192
- http://www.jackhamilton.net
- https://github.com/jacklh9
- https://linkedin.com/in/jacklhamilton

RELATED SKILLS

SCRIPTING LANGUAGES EXPERIENCE:

- Python
- Perl (Linux, Cygwin, Strawberry & Active State)
- UNIX shell-script (Bourne/Bash, C shell, Korn)
- MS DOS batch

VIRTUALIZATION EXPERIENCE:

- Linux: LXD (LXC libs), Docker, Qemu/KVM
- Emulation: VMware Server/ESXi 6.5, Oracle Virtual Box, DOSBox
- Libraries: Cygwin, MKS Nutshell
- Cloud Deployments: Digital Ocean, Heroku

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
- Home WiFi/ethernet setup/configuration
- Tectia SSH install, configuration
- OpenSSH install, configuration
- SSH transfer/tunneling automation

ADDITIONAL PROGRAMMING FAMILIARITY:

- Ruby
- JavaScript + CSS/HTML
- Elixir
- Java
- C/C++

SOURCE CODE REPOSITORY EXPERIENCE:

- git (github)
- MKS Integrity (Enterprise)

DATABASE FAMILIARITY/EXPERIENCE:

CRUD to:
- PostgreSQL
- Microsoft SQL Server
- MySQL
- MongoDB
- Legacy: Informix, Ingres
- CSV flat-file "databases"

EXPERIENCE

Freelance Work San Diego, CA
June 2016 – Present

- ESXi 6.5 host setups with Linux and Windows 10 VM guests
- Lubuntu 16.04 LTS server install and setup. LXD host environment running LXD, Docker virtual on BTRFS filesystem with hardware RAID managed with Ansible.
- Linux encrypted desktop installs (L/K/Ubuntu, XFCE, Redhat) and support.
- Installed, programmed and configured BTRBCK automated hourly/daily backup system, including off-site backups of client desktops to central server.

Dev Bootcamp San Diego, CA
Student Dec 2015 – May 2016

- 1000+ hours coding in 19 week fully immersive programming boot camp.
- OOP and RESTful dev using Ruby on Rails, Active Record, JavaScript/jQuery and Loopback frameworks.
- TDD with Continuous Integration (Travis-CI).
- Deployments to Heroku cloud servers.

Mitsubishi UFJ Financial Group   San Diego, CA
Software Developer/Analyst   Oct 2005 to Apr 2016

- Created Perl-based Ansible-like program to automate weekly server health report using scalable XML-configurable files to automatically perform post-weekly reboot and post-patch validation across 200+ Windows (2K, 2K3, 2K8) servers.
- 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.
- Windows server administration and application support, including coordination of patch updates during maintenance windows and performing annual contingency disaster-recovery scenarios for annual certifications.
- Designed and implemented Perl-based internal routing software for check processing department which routed inbound and outbound data files between 200+ clients with over $1B in daily check images being electronically deposited.
- Authored HTML-based dashboard to monitor flow of data files with notifications alerting key staff when errors occurred using data from MySQL.
- Created Perl-based report generator querying MS SQL databases for email delivery to external commercial clients as PDF or text attachment or in XML format via SFTP transmission of their daily deposit information.

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.
- Provided second level support to the 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.
- Creating and running SQL queries on Ingres for Sales support/troubleshooting on ERP system.

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.
- Tutored students in PC labs for C, C++, Java, and the UNIX OS classes.

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: covered OOP concepts, inheritance, adapters/interfaces, polymorphism, recursion, multi-threaded programming, implementing fundamental algorithms (e.g., sorts and searches) and data structures (stacks, queues, text scanners, dynamic arrays, hash tables / symbol tables, linked-lists).
- Languages used: C, C++, Java, Perl, Lisp