**Charles Wyble**

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**Professional Objective**

I’m looking to reduce costs and improve efficiency in an IT service delivery organization, by rapidly sourcing and fielding whatever is necessary to get the job done on time and within budget.

**Skills Summary**

Linux systems engineer with extensive knowledge/experience on both Debian and RedHat based Linux distributions in a wide variety of applications. Very comfortable with shell scripting, package management, user account administration, configuration management, etc. A frequent speaker/writer on a wide variety of IT and open source matters, as well as a frequent contributer to open source projects.

**Core IT infrastructure**: Daily administration tasks in support of Mailman, Postfix, Bind, PXE boot (Debian Fully Automated Install (FAI) and Red Hat Kickstart on both Xen guests and physical hardware.

**Linux Server Applications**: Debian and Ubuntu / Red Hat Enterprise Linux (3/4/5) shell scripting/automation (bash/sed/awk) assisting tier3 support with software debugging (PHP/Python/Perl/Java) Apache 1.30/2.0/2.2 Postfix and Courier Samba/ProfFTPD IpTables/Snort/Nessus/Nmap/OpenVAS.

**Networking (switches, load balancers and security)**: F5/BigIP Global Traffic Manager and Local Traffic Manager Cisco LocalDirector, 2600/1800 series routers, 3745/2900 switches Linux Virtual Server (LVS) IPTables, Snort, ClamAV OpenVPN.

**Monitoring**: Nagios, HP OpenView, HP SiteScope and What’s Up Gold.

**Storage**: Hewlett Packard SAN (20 terabytes total storage supporting VmWare workloads) EMC Clarion cx400 and cx700 (200 terabytes total storage supporting Oracle/MySQL/SQL server workloads) Promise and Equallogic iSCSI Network Attached Storage (100 terabytes total storage supporting near line storage and development workloads) NFS on Linux supporting distributed web work loads.

**Other**: Basic systems administration of HP-UX 11i Basic systems administration of Solaris 8/9/10/opensolaris Panther CDN ATT Edge Cache Akamai VmWare Virtual Infrastructure 3.5 XEN KVM/Qemu/Virtual Server/OpenVZ/VmWare Server.

**Employment History**

Linux System Engineer  
Targetcast Networks (via acquisition of RippleTV)  
October 2008-January 2010

Provided system engineering expertise for customer facing advertising platform (AdSpot) and internal fleet management tool (CPanel). Utilized Nginx, Mongrel, Thin, Rails, Merb, Rack, MySQL (with replication), memcached and slack to support 2000+ systems.

Linux, Windows, network and security consulting  
Multiple entities including Cast And Crew Entertainment Services Inc, Evite.com and Siderean Software   
September 2007-October 2008

Provided Linux and Cisco systems engineering expertise for Evite.com, across 2 geographically dispersed data centers supporting 10 million visitors and 2 million e-mails per day. Utilized Apache/Tomcat on Gentoo and Ubuntu.

Provided Linux systems engineering expertise for Cast And Crew Entertainment Services. Utilized Centos to host several green screen and J2EE web based applications for payroll processing.

Provided Linux systems engineering expertise for Siderean Software. Utilized Fedora and Centos on dedicated hardware and ec2 to host numerous web properties including sites for Oracle Software.

Linux/Windows System Engineer  
The Walt Disney Company - Parks and Resorts Online - Walt Disney Internet Group  
August 2006-September 2007

Provided system engineering and PCI compliance expertise for Disneyland.com, Disneyworld.com, DisneyCruiseLines.com and 23 related properties generating 2 billion dollars a year. Business logic was handled by Jboss instances on RHEL3/4 and frontend application serving was done via Windows 2003 and Tomcat/IIS.

* **Automated numerous routine system administration tasks** Created numerous batch and VbScript programs to handle all aspects of Windows administration from the command line.
* **Active Directory Project for WDIG** Designed and implemented a nation wide, 3 data center, highly available Active Directory system to handle both the PCI and non PCI servers for the Walt Disney Internet Group.
* **Windows NT to Active Directory migration** Migrated all the application servers off of Windows NT to Windows 2003 Active Directory domain controllers. Also have experience with Windows 2008 (including Linux/Cisco/wireless [wpa2 enterprise] authentication). Used both Centrify and Samba/Winbind/LDAP/Kerberos.

Linux Systems Engineer  
Intuit Inc (via acquistion of Electronic Clearing House)  
October 2005-June 2006

Linux systems engineer for a 24x7 transaction processing/ecommerce/ financial services environment. Responsibilities included working closely with the network administration and infrastructure design teams and ensuring continuous uptime of multiple high visibility/high impact/high value envrironments including 1TB MySQL database, 300 TB Oracle database, 1.5 TB Oracle Data warehouse and a 4,000-store LAMP based ecommerce system (MerchantAmerica.com).

Projects:

* **Deployment of encrypted backups.** Designed/tested/documented/deployed an enterprise wide Linux backup system. All data stored on a central server with ISCSI attached network storage. Uses GNUPG and tar over ssh. Backups/Restores tested on a weekly basis.
* **Deployment of Oracle database infrastructure.** Deployed 2 Oracle RAC clusters, each consisting of 3 Dell 6850's. They are equipped with Qual Dual Core Xeon's and 32 Gb of RAM, running RedHat Enterprise Linux 4.0 64bit edition. One environment is for staging and one is for production. EMC attached. This environment is used for Data Warehouse, Transaction Processing Software and Credit Card Clearing applications. The hardware and software was deployed in 3 business days.
* **File Integrity Checking system for PCI compliance.** Deployment of file integrity checking across 100 UNIX servers using fully open source software. Used integrit <http://integrit.sf.net> and some custom shell scripts which were submitted back upstream for inclusion.

Linux, Windows, network and security consulting for various startups and defense contractors  
Multiple entities  
February 2005-October 2005

Projects:

* **LAMP Deployment** Deployed a Debian Linux/Apache/MySQL/PHP system and educated the System Administration and Development staff on configuration and use for an insurance company.
* **Corporate Linux Deployment/Migration** Provided assistance to a medium sized engineering firm with a near 100% conversion to Linux on the desktop and server. Utilizing SUSE Professional 6.5 for desktops and Debian GNU/Linux for servers (Email/File Server/DNS/DHCP).
* **Linux Deployment/Migration** Provided assistance to a small software development firm with a near 100% conversion to Linux. Utilized Ubuntu Linux for desktops and Debian GNU/Linux for servers (Email/File/LDAP/DNS/DHCP).

Linux/Windows Systems Engineer  
GSI Commerce (via acquisition of Newroads Inc)  
July 2002-February 2005

Projects:

* **Disaster Recovery from an Informix Database failure.** Assisted in the design/testing/and execution of a disaster recovery in real time (on-the-fly). Wrote and documented the use of several utilities that cut down the amount of time to recovery by 30 percent.
* **Streamlined the FTP Server Configuration process.** Streamlined the system configuration and new account creation process for ProFTPD on a mission critical FTP server. This allowed faster turn around times and freed up IT resources.
* **Deployed open-source Remote Control Software.** Deplopyed/Secured/Optimized/Maintained UltraVNC remote control software. This allowed the Infrastructure Support team to more rapidly respond to users support requests, and by doing so increase compliance with Service Level Agreements and increase end-user satisfaction.
* **Network Infrastructure Upgrade.** Upgraded the network from hubs to Linksys managed switches to increase network performance and usability/reliability. No network downtime occurred in the process of the upgrade.
* **Hardware/Software Inventory Solution**: Wrote a custom software/hardware monitoring/reporting system to ensure compliance with software licensing and obtain an accurate overview of company assets for inventory and disaster recovery purposes. Utilized WMI/Visio/Microsoft Access.