

Contact Info:

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Objective:

Work in a progressive organization to provide the best quality experience for end users.

Qualifications:

- Network Services: Heimdal, OpenLDAP, Samba, Cups, Sendmail, Postfix, Qmail, BIND, DHCP, djbdns, Cyrus, Courier-IMAP, Cyrus SASL, Apache, Squid, NFS, Net-SNMP, OpenSSH, ProFTPd, Nginx
- Security: Snort, Prelude, Iptables, Logwatch, Tripwire, Nmap, Nessus, OpenVPN
- Linux Distributions: Gentoo, Red Hat, Suse, Debian, Ubuntu, Fedora
- Development: PHP, Python, Perl, Bash
- Databases: MySQL, PostgreSQL
- Virtualization: KVM, Xen, VMWare
- Automation: CFEngine, Puppet, Ansible

Work History:

TheTVDB.com

Vice President, Infrastructure - March 2010 to Present

- Initially worked to solve severe stability issues caused by MySQL bug
- Converted site from single Apache/MySQL server to a proper tiered services deployment
- Numerous changes to enhance stability and site performance for current usage
- Currently building out new infrastructure to handle expected site growth and new codebase
- Deploying Ansible and GIT for new infrastructure to streamline management and code deployments

Red Hat, Inc.

Systems Architect - March 2013 to Jan 2014

- Evaluated and prioritized projects
- Built infrastructure to support various service evaluations
- Provided guidance and mentoring to junior systems administrators
- Key part of working group tasked with planning AM-Q Messaging implementation within Engineering, worked to build reference architecture to fit recommendations

Manager, System Administrators - Jan 2010 to March 2013

- Managed geographically distributed team of system and lab administrators
- Team responsible for 24/7 emergency call and 24/5 follow-the-sun support for Red Hat Engineering offices worldwide.
- Grew Operations team to include all critical global Engineering sites with a staff of over 30 Admins worldwide
- Assisted with migration of Xen virtual machines to KVM

Supervisor, System Administrators - July 2008 to Jan 2010

- Light management duties
- Planned and executed numerous high profile infrastructure outages for maintenance and upgrades, including cross-departmental coordination
- Part of standard call rotation for critical infrastructure
- Set and worked monthly outage schedule for standard upgrade and maintenance
- Built and maintained initial KVM virtual machine infrastructure for new deployments
- Interviewed and helped hire multiple Administrators to provide support for infrastructure expansion

System Administrator - March 2006 to July 2008

- Initially hired to support critical build systems, scope quickly grew to include key Engineering infrastructure
- Implemented comprehensive configuration management and automation tooling for all systems based on CFEngine using Subversion for change management
- Built redundant infrastructure for key services (including bugzilla) to reduce downtime and provide basic disaster recovery

- Deployed Nagios for monitoring of critical infrastructure, implemented basic call schedule
- Planned and implemented initial deployments and migrations of internal services to Xen virtual machines

Open Source Software Institute

Senior Technical Adviser - July 2003 to March 2006

- Tested Open Source groupware servers for potential implementation at a local university
- Evaluated all potential development and consulting projects
- Managed the Special Projects Group
- Plan, implement and maintain internal IT infrastructure, local and remote
- Created custom GNOME LiveCD to demonstrate Linux desktop viability for the US Naval Oceanographic Office (NAVOCEANO)
- Participated in various phases of a Cooperative Research and Development Agreement (CRADA) signed as a result of the LiveCD

University of Southern Mississippi, School of Computing

Systems Administrator - August 2001 to March 2006

- Rolled out VMware on Linux for other operating systems in our labs
- Xen server used for all testing and migration planning
- Supported user base of approx. 25 faculty and staff plus 500 students
- Responsible for six servers, 90 lab machines and all networking
- Migrated to LDAP for centralized user management
- Upgraded from mixed (thinnet, thicknet, cat5) 10 Mbps network thru 100 Mbps to 1000 Mbps
- Implemented Samba PDC complete with mandatory policies and roaming profiles, replaced with pGina
- Resurrected student LUG and actively participate in regular meetings and installfests
- Instituted security and maintenance policies for graduate students working under my supervision
- Actively implement equivalent Open Source software where appropriate on lab and office machines
- Rebuilt small computing cluster using Etherboot and NFS to provide images running LAM/MPI

Independent Consultant

January 2000 to Present

- Remote configuration and maintenance of Linux and Solaris servers
- Web development using PHP, Perl and MySQL
- Local hardware, software and networking support

Network Technician

Microcomputer Systems - September 1999 to December 1999

- Installed networking hardware and did basic troubleshooting of common issues
- Deployed multiple machines on Windows NT and Novell Netware networks in schools
- Used Ghost to broadcast disk images in labs

Service Manager

Racer Computer Outlet - November 1998 to September 1999

- Handled all hardware and software support
- Built significant non-warranty clientele within the first few months
- Assisted customers with custom PC configurations and hardware recommendations

Education:

- 1994-1996 - Jones County Junior College, Received "Letter J Award" for academic excellence.