

Systems Administrator Systems Administrator Systems Administrator - Dartmouth West Lebanon, NH Authorized to work in the US for any employer Work Experience Systems Administrator Dartmouth College - Hanover, NH June 2012 to Present - Configuration Management and Orchestration: Puppet, Git, Docker, Jenkins - Systems Administrator for Linux Servers primarily including Solaris and Windows Servers both in physical and virtual environment - Manage high performance and mission critical servers that runs Oracle database services and SAS applications - Storage administrator - EMC VNX, Isilon - Manage servers and storage on AWS cloud - System performance tuning, Troubleshooting, Performance Evaluation Server hardware troubleshooting - VMWare/KVM Virtualization - Manage Red Hat Satellite server for automated patch deployment, configuration management, kickstart - Manage Zenoss for infrastructure monitoring uses SNMP protocol, wrote custom ssh based monitoring scripts (mostly bash scripts), WebTx script using twill, Nagios plugins - Mail servers administration - Sendmail, MailScanner, Postfix - LDAP - Red Hat Directory Server/Active Directory Administration - Manage central log server for linux/windows servers and network switches and appliances - Scripting in python/bash/perl for system administration, automation and reporting - Fiber Channel HBA, iSCSI, CNAs, NFS, SMB, Samba, SAS Manage HIPAA servers for NNEACC/HVHC projects which needs high availability SLA Systems/ Network Engineer Western Illinois University - Macomb, IL July 2008 to June 2012 - Developed global DNS solution using BIND, LDAP and Python - Managed F5 network devices F5 BigIP LTM, F5 3DNS with redundancy setup for HA - RPM package creation for root password change and deployed to servers from satellite server - Red Hat Satellite server administration - Red Hat Linux server virtualization using KVM/Xen - Automated server installation (Red Hat Enterprise Linux), both host system and virtual hosts, PXE Boot and kickstart - Fedora Directory Server installation and configuration including replication setup between multiple instances at different locations. LDAP schema design, wrote LDAP queries for application. - Database design, SQL queries and database backup on MySQL, Oracle etc - Configured RADIUS server for network device authentication - Managed network devices and equipment in production environment (Switches, Routers, Firewalls) - Designed and deployed networks as per the company requirement

including network security reviews - Visual Network diagram using Microsoft Visio and documentation - DNS/DHCP/NFS server configuration and support - Exim/Postfix/Zimbra email server administration - Network troubleshooting and packet analysis using ntop, tcpdump and wireshark - Developed in-house inventory systems using PHP and MySQL later on switched to Python django, used javascript for client side validation, JQuery, CSS - Infrastructure monitoring using Zenoss/SNMP - Centralized authentication for users using LDAP/Active Directory - Configuration backup for disaster recovery including tape backup and backup recovery audit - Utilized open source software to meet business needs: Squid, iptables, XWiki, etc. - Host-based security: OS hardening, disabling or encrypting unsafe network services - Vulnerability scanning and network penetration testing of public services - Backup configuration and administration - Windows Server 2008 Administration - On call 24/7 one week in a month IT Assistant Western Illinois University - Macomb, IL August 2006 to May 2008 - Sun Web Server clustering - Initial Zenoss setup to monitor network infrastructure and setup alerts for evaluation - Perl application to collect domain registration information and SSL certificate information of domain names owned by CAIT and store them into a MySQL Database - Perl script to purges HTTP session data stored at MySQL Database based on a timestamp - Install and administer O/S and Application packages - Sakai 2.4 installation and configuration using Tomcat 5.5 and MySQL 5 with integration of different modules like Melete XWiki installation and configuration in Sun Java System Web Server 6.1, Tomcat 5.5, MySQL 5, and integrated with LDAP for user authentication - Fedora LDAP Directory Server: Configured Fedora DS such that users are only allowed to change certain attributes from web interface - Research on developing SOA Applications Systems/ Network Administrator khwopa Engineering College - Bhaktapur April 2005 to July 2006 - Apache web server configuration and administration for college web site and various internal web resources - Configured Red Hat Enterprise Linux server as a router, setup firewall rules using iptables - Initial configuration for mail server, FTP Server, DNS server, proxy server, etc - Administered Linux and Windows machines including network printers - Windows Server 2003 and Active Directory administration - Infrastructure monitoring setup using MRTG/SNMP - Designed the first whole network system of

this new established college (including wiring) and assisted in buying network equipments, servers and work stations - Responsible for entire networking of college including LAN technologies, internet, intranet and Ethernet systems Education MS in Computer Science Western Illinois University - Macomb, IL August 2006 to May 2008 Skills Linux (10+ years), Configuration Management (5 years), Git (3 years), Cloud Computing (3 years), Storage (5 years), Python (7 years), Bash (7 years), Subversion (5 years) Certifications/Licenses AWS Certified Solutions Architect - Associate April 2016 to April 2018

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