Luther Barnum

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Technologies

Software

VMware, Veritas NetBackup, OpenView Operations, MC/Service Guard, MySQL Database, Apache and Tomcat Web server, Samba, Omniback /Data Protector Backup Software, IRC, DNS/BIND, Nagios, Big Brother, SQL, Tivoli, Subversion, Rehat Satellite Server, Nimsoft Monitoring, Telalert Notification, Puppet, Chef, Ansible, Salt Hardware Motherboards, Monitors, Video Cards, SCSI, SAN Environment, Sun Workstation, HP Servers R,G,N,L Classes, HP Workstations B2000/712/715, Sure Store Tape Storage Array, HP 3070, Superdome, XP512/1024/12000 Disk Storage, Brocade San switch administration, 3PAR Storage

Programming Languages

Python, Perl, Ruby, Awk, Sed, Korn, BASH, C, SQL, Basic, Go (Golang)

Operating Systems

HP-UX 9 to 11.31, RHEL3 to 7, Sun 7/8, Linux SUSE, Windows 2003-2016, VMWare, MacOS

Certifications

RHCE, Linux+, LPIC, Casper Technician (JAMF), Apple Certified Support Professional

Other

Adjunct Linux Instructor for Linux+/LPIc Certification

Summary of Qualifications

1. Managed 1000s of Linux servers using tools like Ansible, Spacewalk and custom scripts.

2. My experience with various automation tools has been heavily used with various employers and customers to automate Linux and Windows Server deployments and Application deployment and configuration. Tools included: Chef, Ansible and Puppet

3. Taught Linux+/LPIC Certification classes at Center for Technology Training on the weekends.

4. I have given lectures on Puppet Automation techniques with tools such and Beaker and KitchenCI

5. My experience as a Sr. System Administrator has given me the tools to work with various infrastructure technologies including working with the given APIs to automate processes as needed.

Professional Experience

QTR Systems, Palm Harbor, FL Sr Systems Engineer | Feb/2017 to Present.

- Managed all Technology Teams for company.

- Managed Nagios Environment for all servers and network. Environment included 30+ OMD Workers with custom Active and Passive monitors on Windows and Linux. Wrote custom monitors in Shell, Python, Perl and Go.

- This included Software Development, Hardware Engineering, Quality Assurance DevOps and Technical Support.

- Technologies in use were .Net on Windows Infrastructure, Azure, IOS Development, Octopus Deploy Selenium with a focus on BLE RTLS. Helped direct company towards migration from .Net Framework to .Net Core.

- Implemented .Net on Docker infrastructure to facilitate future migration of all future development

- Helped team with troubleshooting performance of Windows and Linux server.

    – Wireshark

    – Mongodb

    – RabbitMQ

- Guided automation of build process to reduce build times of production Windows servers using Ansible and Desired State

- Consultant working on various projects as needed.

- Projects include Mac Deployments, Storage, Server Installations, Server and Storage Migrations.

- Helped drive DevOps projects as needed to automate various processes using various tools as needed.

- Migrate storage to various platforms with focus on HP and EMC Storage Platforms.

- Migrated Windows Applications to Linux Platforms. Worked on projects with Hyper-V and VMWare environments.

- Experience with multiple automation platforms including: Ansible, Chef, Puppet and Saltstack.

- Automated Mac and IOS Deployments for clients using JAMF and AirWatch MDM Products as required.

- Configured Linux and Windows server in VMware Environment including VMware Infrastructure Configuration

- Automated Windows and Linux Server deployments using Ansible and Chef

- Maintained Docker environment

- Managed Ubuntu and CentOS/Redhat servers and deployments.

- Performed Network troubleshooting with various tools including tools Wireshark and TCPDump.

- Managed DNS environment in Active Directory and Bind and including troubleshooting using tools Nslookup up Dig.

- Certified Linux+, JAMF 300 and Apple Certified Profession during this role.

Jabil Circuit, St. Petersburg, FL Linux Engineer III | Feb/2015 to Feb/2017.

- Level 3 System Administrator responsible for daily operation of Linux environment.

- Technology focus on automation using Puppet, Ansible and Salt.

- Used automation tools for building servers and maintaining configuration compliance.

- Responsible for Open Source Technologies like HAProxy, Spacewalk.

- Review and Document day to day procedures for Linux Deployment and day to day operations.

- Responsible for server hardware including HP, Dell and other vendors. This also included all firmware, setup and monitoring.

Citi Group, Tampa, FL Sr. Unix Administrator | Nov/2014 to Feb/2015.

- Level 3 System Administrator responsible for advanced troubleshooting and directing Level 2 personnel through system maintenance.

- Responsible for writing and maintaining scripts for automation of tasks.

Trinet/Gevity, Bradenton, FL Sr. Unix Administrator | Nov/2004 to Nov/2014.

- Responsible for all server maintenance and administration of HP and RedHat Linux servers. Including: DNS/BIND, NetBackup, VMWare ESX and ESXi, Apache/Tomcat, Subversion, OpenView.

- Managed Firmware and configuration of all Servers, Blades and Storage Devices. Most platforms were HP Hardware with a few Dell Servers.

- Wrote automation scripts for monitoring and snapshots that interface with Hardware API and SNMP.

- Responsible for monitoring Backups and Server Errors.

- Wrote scripts and programs in various languages to perform various tasks.

- Worked with HP Support on Critical Support and Contract Renewals.

- Member of Disaster Recovery Team and responsible for VMWare and all Unix/Linux recovery.

- Responsible for all disk provisioning using XP12K and EVA Storage.

- Maintain Storage for various Technologies including EVA, XP, 3PAR Storage.

- Responsible for all SAN Switch zoning. Zoning hardware was Brocade switches with Fiber Channel.

- Wrote automated snapshot interface to storage to perform backups in both Perl and Python using OOP techniques.

- Created custom Classes when needed.

- Part of Disaster Recovery Team that traveled to Recovery sites.

- Traveled to company sites to setup and remove various hardware.

- Integral part of technology decision making and recommending of technologies and hardware during hardware and software refreshes.

- Very familiar with firewalls both stand-alone and IPTABLES firewalls.

- Maintained several MYSQL and PostgreSQL databases for different applications.

- Maintained and wrote custom monitors for HP OpenView.

- Implemented private cloud using HP Matrix.

- Designed and implemented Puppet to deploy and maintain Linux virtual servers.

- Maintained RedHat Satellite Server for kickstart and patch management.

- Built and maintained onsite Git Repository using Gitlab

Verizon Data Services, Temple Terrace, FL Sr. Unix Administrator/Contractor | Jul/2004 to Nov/2004.

- Involved in verification of Tivoli Configuration Management installation for all Data Center Servers.

    - Includes logging onto servers to verify proper installation and automating/creating scripts to perform repeated tasks.

    - Server types include AIX, Solaris, HP-UX and Redhat Linux.

- Wrote scripts for tasks using Perl, ksh, sed and Awk.

- Project was to verify 4000 clients for proper installation.

- All failures are examined to and root cause of failure, repair and document.

- Other tasks include troubleshooting firewall access, logfile analysis and software installation issues.