**Nikunj**

**SUMMARY:**

* **Senior Linux/Unix System Administrator/Engineer** with over **8 years** of experience working on **RHEL 4.x, 5.x, 6.x, CentOS 4.x, 5.x, 6.x Suse 10.x, 11.x Oracle Enterprise Linux, Solaris 8,9,10, VMware ESX, ESXI and DevOps environment**
* Worked on Installation, configuration, maintenance and troubleshooting of **Redhat EL 4.x, 5.x, 6.x, CentOS 4.x, 5.x, 6.x Suse 10.x, 11.x Oracle Enterprise Linux on development, test and production environment.**
* Configured **Kickstart** servers for automated installation of workstations, with custom profiles and custom package suites/clusters.
* Experienced in administration and implementation of **VMware ESX** and **vSphere 4**.x, **5.x** and **vCenter.**
* Experience on installation and configuration of **VMware ESX, ESXI**as well as migration of vm’s between two hosts and two different data storage.
* Worked on Windows **Active Directory** and **LDAP**; used **samba** to join Linux server to **Active Directory**.
* Profound experience on Build Automation and Continuous Integration concepts by using tools like ANT, Maven, Hudson, and CruiseControl.
* Integration and troubleshooting of network related services like **NFS, NIS, DNS, TCP/IP, SMTP, and SNMP**.
* Installation and configuration of Web/ Application **Apache, Tomcat / Web logic, WebSphere** on Linux.
* Worked on database Installation that included**Oracle**, **SQL, and MYSQL.**
* Worked on setup and administration of **VERITAS Volume Manager** and **HAClusters.**
* Dynamic infrastructure provisioning using configuration management tools like **Chef**,**Puppet.**
* Good knowledge about **Puppet** configuration management.
* Management of **Puppet** automation tool including installation of **puppet** agent on client server
* Written infrastructural code for application and infrastructural deployment using **DSL puppet** and **chef**.
* Worked on Administration/Maintenance of Source Management Systems such as **Git.**
* Improved continuous integration workflow, project testing, and deployments with **Jenkins.**
* Worked on DevOps tool **Puppet** in provisioning **AWS** machines.
* Worked on management of **User accounts, System security, kernel performance** monitoring and tuning.
* Worked on various scripting language like **Shell, Bash, Perl, Ruby, Python**.
* Experienced in installation of Operating Systems, Packages and Patches, also worked on adding**Peripheral,maintaining user accounts,System Security**, **backup /recovery**, **performance tuning**, **troubleshooting** at various levels.
* For the monitoring of Linux Servers Managed tools like **Nagios and Cacti.**
* Hands on knowledge of **SAN** and **NAS** technologies as well as**Tivoli Monitoring tools** and backup.
* Proficient in System administration, System planning, co-ordination, commissioning, setting up security hierarchy and capacity planning.
* Worked on flexible hours for production, backup, bug resolution **on-call support for 24/7** environments.

**TECHNICAL SKILLS**

**Operating System:**RHEL 4.x, 5.x, 6.x Centos 4/5, SuSe 10/11, Ubuntu, Fedora, AIX, Solaris, Windows.

**DevOpsTool:** Chef, Puppet, Jenkins, Docker.

**Version Controllers:** Git, Svn, Clearcase.

**Web /Application Server:**Tomcat, Apache, MySQL,DB2.

**Cluster server:**Veritas Cluster, Red hat Cluster.

**Languages:**HTML, Ruby, Bash, Perl, Python & Shell Scripting.

**Virtualization:**VMware and Vsphere.

**Networking:** LAN, WAN, TCP/IP, UDP, NIS, DNS, DHCP, NAS, and SAN.

**Monitoring Tool:**Cacti, Nagios.

**Services:**SSH, SFTP, FTP, NFS, RPM, YUM, SAMBA, Telnet, Auto FS, Telnet.

**PROFESSIONAL EXPERIENCE**

**Catamaran, Rockville, Maryland August 2014 - Current**

**Sr. DevOps / Build and Release Engineer**

**Responsibilities:**

* Installed, configured, maintained, troubleshoot and supported various flavors of Linux and Unix which included but not limited to **RHEL 5.x, 6.x, Ubuntu, Suse, CentOS and AIX servers**.
* Built new configuration management environment using **Puppet, Jenkins and Git.**
* Involved in setting up **Puppet Master/Client** to automate installation and configuration across the environment.
* Written**Puppet manifest** files to install tomcat instances and to manage configuration files for multiple applications.
* Performed daily backups, restoration of data as per requests from developers using **VeritasNetbackup**.
* **Veritas File system** and **Veritas Volume Manager 2.5** are used to configure the **RAID 1** and **RAID 5 Storage Systems**
* Experience in Servers consolidation and virtualization using **VMwarevirtual infrastructure**, **VMwareESX.**
* Installation and customization of **Window 2003 and 2008 servers**.
* Configuration and Administration of **NFS, NIS, NIS+, LDAP, DNS, Samba** and **Sendmail** Servers.
* Installed **RPM packages** and **LPP** on Linux Servers and IBM P-Series AIX Servers.
* Oracle installation & system level support to clients.
* Installed and configured the iPlanet**(Sun One) Web servers & setup** firewall filtering with Squid Proxy server for web caching on Sun Solaris.
* Wrote **shell scripts** to automate the administrative tasks using **cron** and **at** in AIX and Linux.
* Validated monitored and Analyzed Batch Jobs.
* Backedup Schedules for Linux Servers using **DLT Tape** drives.
* Performance monitoring using **Sar, Iostat, VMstat** and **MPstat**on AIX servers.
* Logged events and forcing **crash dumps**, securing servers and troubleshooting issues.
* Troubleshooting and resolving of problems related to hardware, operating systems, third party applications and scripts.
* Initiated Backups on daily basis and monitoring the scheduled backups.
* Assisted with **SVN to Git** (Gitlab frontend) migration.
* Provided backup support for **Jenkins** build environment.
* Used **Docker** to create HA Architecture for several applications such as Puppet, Jenkins.
* Migrated applications to the **AWS cloud**.
* Installation and configuration of **Apache Web Server** for Various intranet/extranet websites.
* Implemented Network File System (**NFS**) for file sharing and network installation.
* Responsible for backup of all servers and recovery of all servers.
* Configured clustering by using **Veritas Cluster Server (VCS).**
* Prepare specs for new infrastructure and **VMware servers, network switches, routers, firewalls, and VPN.**
* Managed **Storage Area Networks** (SAN). Managed nodes running under SAN environment through **HACMP.**
* Wrote **Shell Scripting** to check security setting to change the server settings.
* Troubleshoot and repair network, application, OS, and hardware issues in support of developers and engineers.
* Tuning the **kernel parameters** based on the application/database requirement.
* Worked on **security hardening** and documented the whole process for future reference.
* Implementation of **Samba** to help printing and file sharing in the mixed Environment
* **Documentand maintain** the inventory using asset management techniques.
* Monitor ticket queue to attend user and system calls, attend team meetings, change control meetings to update installation progress, and for upcoming changes in environment
* Worked on **24X7 off-hour** rotation support team.

Environment: Red Hat Linux (RHEL 4/5), Logical Volume Manager, Veritas Cluster Server, Oracle, MySQL, AIX 5.3L,Windows, Veritas Volume Manager, Veritas Net backup, AWS,Puppet, GIT, SVN, Jenkins, Ksh/Perl programming, DNS, NIS, NFS, Apache, Tomcat, windows server 2008, VMware ESX 4.x.

**Sprint Corporation, Overland Park, Kansas Jan 2013- July 2014**

**System Administrator/DevOpsEngineer**

**Responsibilities:**

* Involved on installation, configuration and OS upgrades on **Red Hat Linux 4.x, 5.x; AIX 5.2/5.3/6.1**.
* Worked on configuring **Kickstart Servers** and booting the images using **PXE** in Red Hat Linux.
* Installation of patches and other software packages on Linux and AIX Servers.
* Maintaining Infrastructure automation using **Chef**.
* Developed **Chef recipes** to configure, deploy and maintain software components of the existing infrastructure
* Written apache and postgresql**cookbooks**.
* Exposure to tools like **GIT, Maven and Jenkins**.
* Managed **VMware ESX 3.5 & ESXi 4.1** environments. Create and install virtual machines (Windows and RHEL) on **ESX 3.5 and ESXi4.1** as specified by Architecture Group.
* Worked on **SWAP** box configuration, Implementation of disaster backup and recovery.
* Installed and configured **SAMBA** server for windows and Linux connectivity.
* Worked on installation and configuration of web servers and applications; **Websphere, Weblogic, tomcat, Apache.**
* Used **Veritas NetBackup 6.5** to Implement and configure Backup policies and Storage Units.
* Experience with Internet services installation, configuration and maintenance on **apache, SMTP on Sendmail, POP3 and LDAP on Linux platforms**.
* Administered the UNIX System for clustered HP Servers with fiber attached **SAN** storage.
* Maintained & troubleshoot **SAN and Fiber card** related errors on UNIX.
* Discovered & attached **LUNS** provided by the Storage team to the required Unix/Linux Servers.
* Created disk pools and configured shared virtual disks using Symmetrix Management Console.
* Worked on Installing, maintaining, upgrading and supporting Red Hat Linux systems w/ Oracle 10G RAC with Cluster Ready Services (CRS) and Sybase database.
* Installed and configured **LAMP (Linux, Apache, MySQL, and PHP)** for different applications.
* Used **Nagios monitoring** tool to monitor servers, switches, and ports.
* Experience in Servers consolidation and virtualization using **UML Linux, XEN and VMware virtual infrastructure, VMware ESX, VMware VCenter**.
* For administrative and project requirements implemented **NIS and NFS.**
* Configuring SUDO and granting root permission to users for performing certain activities.

**Environment: Red Hat Linux 4.X, 5.X, AIX 4.X/5.X, SLES 9, 10, Veritas Volume Manager, VCS, Chef,IBM HACMP V4.5, Samba, Oracle 9i/10g, Veritas NetBackup 4.5.5, EMC Symmetric, Clariion, MYSQL, NIM, ILO, Nagios, VMware ESX 3.x/4, JBOSS, SAN, NAS.**

**Rosenbluth Travel, Philadelphia, Pennsylvania October 2011 – December 2012**

**Sr. System Administrator/Engineer**

**Responsibilities**:

* Administered, maintained **Red Hat 5.0**, **6.0AS**, **ES**, troubleshooting hardware, operating system, applications & network problems and performance issues
* Deployed latest patches for, **Linux** and **Application servers**, performed **Red Hat Linux Kernel Tuning**
* Installed and configured **z Linux** on IBM mainframes servers
* Install and configure **DHCP**, **DNS (BIND, MS), web (Apache, IIS), mail (SMTP, IMAP, POP3),** and file servers on AIX and Linux servers
* Migrated database applications from Windows 2000 Server to Linux server
* Implementation of **Samba** to help printing and file sharing in the mixed Environment
* Installing and setting up **Oracle9i** on Linux for the development team
* Installed **WebLogic 9i** with SP5 Server and configured Domains, Admin and managed servers for Applications to be deployed.
* Provided production support of Apache and JBoss including installation, configuration, management and troubleshooting.
* Implemented virtualization using **VMware** in Linux on HP-DL585 and IBM-z/VM series.
* Configured and monitored **Splunk** monitoring tool
* **Linux kernel**, memory upgrades and swaps area and performed Red hat Linux **Kickstart** installations
* Installed and configured **Nagios** monitoring tool to monitor servers
* Hardware Maintenance and System Administration of existing RS 6000 running AIX (40 systems in Network)
* Implemented day-to-day tasks in RedHat Linux that include upgrading **rpms**, **kernel**, **HBA driver**, configuring **SAN Disks**,**multipathing** and **LVM file system**
* Created users, manage user permissions, maintain User & File System quota on Redhat Linux and AIX.
* Installed, configured and administered **AIX** 4.3.3, 5.1, 6.1 &**HACMP** 4.4.
* Upgraded **AIX** 4.3x to AIX 5L v5.1, 5.2, 5.3,6.1
* Performed successful installations, configuration and maintenance of Highly Available Cluster Multi Processing (**HACMP**)
* Experience in Migration of **HACMP 4.3.1,4.5 to HACMP 5.1** using Node-by-Node migration without changing the cluster setup
* Worked on Webservers; **JBoss , Tomcat 6.x/5.x/4.x/3.x & Apache Server 2.x/1.x**
* **Apache/Tomcat** server, **mail** server, **MySQL** database, and firewalls in both development and production
* Developed **Korn and Bash** shell-scripts to automate routine activities
* Configured and administrated **Lpar’s/DLpars’s**.
* Data Warehousing and System Backup using **tar, cpio** for local systems and **VeritasNetbackup** for enterprise wide backup and recovery
* Manage systems using remote consoles like **ILO for HP** Hardware and **HMC for IBM** P-Series
* Setup network printers and installed client/server applications. Defined/setup network protocols, Network File Services (**NFS)**, and Network Information Services (**NIS**) in Linux and AIX systems
* Network trouble shooting using ‘**ndd**’, '**traceroute**', '**netstat**', '**ifconfig**' and '**snoop**' etc
* Provided support by 24x7 shift rotation basis and pager support
* Monitored trouble ticket queue to attend user and system calls, attended team meetings, change control meetings to update installation progress, and for upcoming changes in environment
* Updated data in inventory management package for Software and Hardware products.
* Capacity Planning, Infrastructure design and ordering systems.
* Worked with DBAs on installation of RDBMS database, restoration and log generation.

**Environment:** RedHatLinux 5.0,6.0 AS ES, AIX 6.1,4.3,5.1,5.2,5.3, HP-DL585, HACMP 5.5,4.2.x,4.3,4.3.1,4.4 , VeritasNetbackup, SAN Storage, 4.5.5, IBM-z/VM, Oracle 9i/10g, Samba, NT/2000 Server, Websphere, Web Logic 8.1, VMware ESX 2.x, LPAR, DLPAR ,Tomcat 3.x,4.x,5.x,6.x Apache Server 1.x,2.x, Korn, Bash.

**SSG Limited, Richardson, TX May 2009 – October 2011**

**Systems Administrator**

**Responsibilities:**

* Supported **Linux/Unix Servers** in development, Test and Production environments.
* Installed, Maintained and Administrated **Red Hat Enterprise 5.x, 6.x, Cent OS and AIX Servers.**
* Worked on installation and configuration of **Web /Application Server Tomcat and Apache**.
* Implementation of VMware Infrastructure for **RHEL 5.x, 6.x** with **VMware ESX 4.1x** and building **KVM Hypervisor**.
* Provided primary support to all kinds of issues related to Unix and Linux, which included but not limited to performance, user, security and network.
* Created/Maintained user Accounts file systems and successfully created logins IDs on large number of servers.
* Extensively worked on network support that included **NFS, NIS, NTP, FTP, and users setup/troubleshooting.**
* Monitoring Disk space, adjust **LVM Configuration** & add space as and when needed.
* Worked on the configuration of server monitoring tool like**Nagios**and used **Nagios**for monitoring of the Linux/Unix systems.
* Implemented **Puppet modules** to automate configuration of a broad range of services.
* **Deployed Puppet and Puppet DB** for configuration management to existing infrastructure.
* **Wrote Puppet manifests** for deploying, configuring, managing and monitoring applications and servers in test and production environment.
* Used **Jenkins** to test the workflow of retrieving and running puppet modules from **GitHub** onto different test slaves.
* Monitored and updated patch software, firmware, and security patches for all applications in infrastructure.
* Installation and configuration of **SUDO** package and accomplished successfully across various **UNIX** platforms.
* Administrated **DHCP, DNS and Samba services** in Linux.
* Configuration, Administration and maintenance of **NFS, DNS, NIS and samba** on Linux Servers.
* **Built shell scripts**, managed the automation of **CRON jobs** as well as file systems.
* Worked on system configuration and installation of software applications, operating system upgrades and hardware.
* Provided **24x7** on-call /Remote Support for Production Problems.

**Environment: HP Network Node, HP DL365, DL360, DL380, DELL, RHEL 5/6, CentOS 5/6, ESXi 4.1, Puppet, DNS, DHCP, Nagios, SPARC server 1000, SPARC server 20 Enterprise Servers, SPARC server 1000/20, SPARC station 10 and Web logic 8.1**

**Merit Energy Company, Kalkaska, MI October2007 – April 2009**

**Junior Linux/Unix Engineer**

**Responsibilities:**

* Performed automated installations of Operating System using **Kickstart** for Linux.
* Provided Primary support to all kind of issues for all Linux platforms.
* Supported **UNIX and Telecom (IVR)** applications.
* Developed, customized and build RPMs on Linux for deployment on various servers through Software Development Life Cycle.
* Management of user accounts and groups, File systems and disks.
* Installation of **SAMBA server** for interface between Linux servers and Windows servers to share files.
* Patch and Package administration to keep the servers updated with the patches and that implementing packages developed for deployment.
* Installed and configured**SSH** to enable secure access to the servers.
* Limiting user account privileges using **SUDOERS.**
* Creation and Maintenance of User Accounts file systems and successfully created logins IDs on large number of servers.
* Designed bash to automate application and system management activities. These scripts provided the following functionality: application startup and shutdown, monitored systems and applications health, and web site management.
* Provided **24x7 on-call/ Remote Support** for Linux Production Problems
* Support to manage documentation for systems and created new procedure to support new products.

**Environment**: **RHEL 3.0, SAMBA, SSH,bash, DHCP, DNS, SMTP, Kickstart, Linux, RPM.**

**Education:Bachelors in Computer Engineering, Poka University, May 2007**