**Rajnish Kumar**

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**Professional Summary:**

* **Over8 years** of IT industry experience as a**System Administrator, DevOps** and Production Support of various applications on **Red Hat Enterprise Linux**, **Sun Solaris** and **Windows** environment.
* Experience in installing, configuration, support, upgrading and patching Linux servers using Red hat **Satellite Server** and also worked on registering different client servers and involved in building channels and pushing the packages to master Red hat Satellite Server.
* Experience in Installing, configuring and maintaining**Nagios, Puppet and SaltStack.**
* Experienced in **Amazon EC2** setting up instances, virtual private cloud (VPCs), and security groups.
* Expertise in different versions of **Cloudstack,Openstack, VMware** and other private clouds.
* Experience in Installation of **VMware ESX server** and creation of VMs and install different guest OS.
* Experience in installation and management .
* Expertise to handle tasks in Red Hat Linux includes upgrading **RPMS** using **YUM**,**kernel**, **HBA** driver, configure **SAN** Disks, **Multipathing** and **LVM** file system.
* Well experienced in hands on, Kickstart (PXE) and Jumpstart installation of various fully and mostly **POSIX** compliant systems like Solaris 9 &10, Red Hat 4,5 &6, CentOS 5 &6 and open SUSE 11 & 12.
* Hands on experience in **Puppet Automation** deployment, dashboards configurations and **PuppetDB**.
* Experience working with **DHCP/LDAP/NIS/NFS** services.
* Extensive understanding of networking concepts, (IE. Configuration of networks, router configuration and wireless security, **TCP/IP**, **VPN**, Content Filtering, **VLANs**, and routing in **LAN/WAN**, **EthernetPort** and **wirelessnetworks**).
* Support enterprise Storage Area Networks (**SAN**), and **Tape Backup**/**Restore** technology in a mission critical environment.
* Installation Configuration and Administration of **VERITAS** Volume Manager, **VERITAS** Cluster Server 5.0, VxFS, Disk arrays in SAN environment and extensive experience in creating and managing Logical volume manager (LVM) in Red-hat Linux.
* Experience in using various network protocols like **HTTP, UDP, POP, FTP, TCP/IP, and SMTP.**
* Experience in storage technologies like Net Backup, Hitachi, EMC storage, NetApp, SAN.
* Software package deployment, disaster recovery/contingency of business management**.**
* Excellent skills in problem solving, analysis, communication and documentation.
* 24/7 support for issues arising in production for mission critical and enterprise level applications.

**Education:**

2008, Bachelor of Engineering (Computer Engineering), University of Pune, Pune, Maharashtra, India

**Certifications:**

* Red Hat Certified Engineer, Certification ID: 120-097-878.
* Cisco Certified Network Associate, Cisco ID: CSCO12549547.

**Technical Skills:**

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| **Operating Systems** | Red Hat, Fedora, SUSE, Debian, Ubuntu, CentOS, IBM-AIX, Sun Solaris, and HP-UX, Windows - NT/2000/2003/2007 Server/XP Pro/Vista/7 |
| **Hardware** | DELL (PowerEdge), HP (ProLiant G7 & G8), IBM BladeCenter,  Sun-Fire X-series and T-series Enterprise Servers |
| **Tools** | WebLogic 10.x/9.x/8.x, Apache HTTP/Tomcat/JBoss, VERITAS Volume Manager, VERITAS Net backup, Cluster server 3.5 &4.1 , Sun Cluster 2.x & 3.x, Nagios, Splunk, Web Methods, Puppet, Chef,Ansible,Cloudstack, VMware |
| **Languages** | Shell scripting, Perl, C, C++, JAVA |
| **Networking** | TCP/IP, NIS, NFS, DNS, DHCP, LAN, FTP/TFTP, SSH, SFTP, ARP |
| **RDBMS** | ORACLE, MySQL, PostgreSQL and MS SQL Server |
| **Storage** | LVM, SCSI, SATA, Ext 2, Ext 3, Ext 4 and NAS(NFS, SAMBA, RAID 0/1/5) and SAN(iSCSI, FibreChannel) NetApp filers. |

**Professional Experience:**

**Cisco, San Jose, CA Oct 2015-Till date**

**Sr.Linux/Unix Administrator**

**Description:** Cisco Systems Inc. is the leader in communications and Internet solutions and services. Cisco provides the networking foundation for some of the largest service providers, commercial businesses and enterprise customers in the world, including corporations, government agencies, utilities and educational institutions.

**Responsibilities:**

* Supported Linux environment with around 2500+ servers running Red Hat Linux.
* Configured cluster pools, enabled HA and DRS features using vSphere 5.x.
* Worked on Virtualizing RedHat servers using **vSphere 4.1/5.0** and managed ESX servers using **vCenter** and also worked with ESX Cluster and vMotion.
* Installed, Configured and Maintained RedHat Linux (**5.x,6.x & 7**) Kickstart and Solaris x86 VM’s.
* Supported 200+ AWS cloud instances running Ubuntu, RedHat and Windows environments.
* Launching **Amazon EC2 Cloud** Instances using Amazon Images (Linux/ Ubuntu) and Configuring launched instances with respect to specific applications.
* Automation of various administrative tasks on multiple servers using **Puppet Automation and SaltStack.**
* Installation and configuration of backup clients like **VeritasNetBackup** on Linux servers.
* Performed migration of data from Xymon to Nagios Monitoring.
* Installed and Configured Nagios client on 2000+ servers.
* Involved in supporting **HPOpenVMS** Systems.
* Built a VPC, established the site-to-site **VPN** connection between **DataCenter**&**AWS**.
* Experience working with HP Open view client and server configuration.
* Experience in writing **scripts** to automate jobs and debugging scripts.
* Experience in using protocols like **NIS, NFS, SSH, SFTP & DNS**.
* Performed **SAN Migration** on **RHEL** and **Solaris** servers using Double Take tool.
* Data migration at Host level using **Red Hat LVM, Veritas Volume Manager and Solaris LVM**
* Installation and support of various applications like **Apache 2.x, WebLogic server 10**, **WebSphere** 6.1, **JBoss4.x, Oracle 10g, MySQL on Solaris 10.**
* Mirroring of root disks using **Hardware Raid Controller** on HP & Dell HW.
* Troubleshooting and performance tuning of various systems problems such as application, network and hardware related issues.

**Environment:** Red-Hat Enterprise Linux 5.x, 6.x, 7.x, AWS, Solaris 9 & 10, SAN (Netapp), NAS, VeritasNetBackup, Windows 2008, 2012, Nagios 3.5, Puppet, Shell programming, Java, JBoss 4.x, JDK 1.5,1.6,Oracle WebLogic, IBM WebSphere, VMware ESX 4.x, vSphere 4.x & 5.x.

**Project#1**

**HP, Tempe, AZ Nov 2013 - Sep 2015**

**Sr. Unix/Linux Administrator**

**Description:** Our vision is to create technology that makes life better for everyone, everywhere — every person, every organization, and every community around the globe. This motivates us — inspires us — to do what we do. To make what we make. To invent, and to reinvent. To engineer experiences that amaze. We won’t stop pushing ahead, because you won’t stop pushing ahead. You’re reinventing how you work. How you play. How you live. With our technology, you’ll reinvent your world.

**Responsibilities:**

* Expertise in creating **VM Templates, cloning and managing Snapshots.**
* Workedon**Grub,PXEboot,Kickstart,Packages,Yum,RPMs,LVM,BootfromSAN,file systemconfiguration**
* Configure dynamic and static network settings for **IPv4 and filter packets**, Review file system management concepts, removable media and configure NFS shares with **AutoFS**.
* Performed system performance monitoring, created **alerts** and **benchmarking** for performance analysis on all application & production servers.
* Performed system administration, system engineering and web administration in a mixed server environment consisting of **Solaris**, **RedHatLinux**, Digital/Tru64, and **OpenVMS** hosts.
* Experience configuring Open LDAP and setting up clients for Open LDAP.
* Involved in decommission of the servers which reached end of life and performed SAN migrations using LVM and EMC tools.
* Developed multiple **shell scripts** for system **monitoring** and converting **raw data** into Splunk format.
* Upgraded Splunk application from **5.0.7 to 6.1** and also have expertise in configuring **Forwarders** on Splunk, installing and using of applications on Splunk, performing **Splunk searches.**
* Experience in creating various modules and manifests using **Puppet**.
* Automate Deployment using configuration Management tool like **Puppet** to enable continuous Deployments.
* Worked on Installation and configuration of **DevOps** tool **Puppet**.
* Involved in configuring network bonding and troubleshooting networking issues**.**
* Worked on generating and consolidating weekly **Tripwire** Reports.
* Provided support on applications like **Splunk** and **Web-Methods** and major Cloud applications like Cloudstack,VSphere and DevOps.
* Working in **war-room,** providing continuous technical support throughout release and production period.
* Expertise in handling crisis during heavy load on servers and maintaining **zero downtimes.**
* Monitored server and application performance & tuning via various stat commands (top, sar, iostat, VMstat, netstat, mpstat, prstat, nfsstat, prtconf, prtdiag, iostat, top, printmgr, hpimliview, dmidecode, smcetc) and tuned I/O, memory etc for SUN Solaris and RHEL Servers.

**Environment:** Red-Hat Enterprise Linux 5.x, 6.x, Cloud Stack, Solaris 8, 9 & 10, DevOps, SAN, NAS, NIS, EMC Avamar, Windows 2003, 2008, Java, Shell programming, Puppet, VMware ESX, JBoss, Splunk, IBM TSM Tivoli Storage Manager 5.3.4, IBM Tape Library 3584 with LTO 3580 tape drives.

**Project#2**

**HP Software Technology Pvt. Ltd. Sep 2011-Sep2013**

**Sr. Unix/Linux Administrator**

**Description:** HP Software Technology Pvt. Ltd. a software development company with strong focus towards developing web design, dynamic web design, e-commerce website, php development, word press development, seo and mobile applications for all platforms. In simple words we are a one stop shop for all your web development needs.

**Responsibilities:**

* Build servers, configured, installed tools, installed patches and transitioned servers to production support running Linux (Redhat, SuSE and Ubuntu) on HP & Dell X86 HW.
* Experience Building Servers using HPSA and involved in configuration management using Puppet automation.
* Regular Admin Tasks include building **Linux** servers for Production, Development and Test Environments and supported the ones under production.
* Managed all the labs and very familiar with all the server related hardware.
* Experience all the network configuration on the servers.
* 24x7 on call support for production environment.
* Installed and upgraded SUSE 11.3 on various servers.
* Managed and built VMs and expert in VMware.
* Performed various file system changes to accommodate upgrades in applications, services and databases.
* Worked in Mission Critical Production environment that deals with **OS level** issues through the Enterprise.
* As a system administrator in a large team is responsible for maintaining a linux operating systems like Suse 10/11.
* Successfully upgraded SUSE 10 to 11 on Oracle production standby servers.
* Monitoring the hosts and networks using **NAGIOS, Iostat, VMstat, MPstat**and Other Tools
* LDAP configuration and management.
* Worked on Amazon Web Services - AWS (Cloud Computing).
* Good knowledge in structuring the documentation for **Architectural Design** and **Build Plan Documents.**

**Environment:** Red-Hat Enterprise Linux 5.x, 6.x, Solaris 8 & 9, SUSE 10.x & 11.x, SAN, NFS, NIS, Windows 2003, 2008, VMware ESX, VERITAS Volume Manager, VCS, VERITASNetbackup, AWS, Java, Nagios, Puppet, HPSA Kickstart.

**CRIF, India Nov 2008-Sep 2011**

**Unix/Linux Administrator**

**Description:** CRIF High Mark is a comprehensive information services provider across the vital segments of micro-finance, consumer and commercial.We are India's leading credit information solutions provider. We have the most exhaustive and extensive databases in India providing top-end and in-depth information solutions to banks and lending institutions ranging from micro-finance, consumer and commercial segments.

**Responsibilities:**

* Installed, configured & handled troubleshooting of Solaris 8/9 and Red-Hat 3/4 on Sun Enterprise Servers and AIX on IBM Blade Servers.
* Set up the Domain Name System by configuring the DNS primary, secondary and DNS Clients and configured the database files.
* Maintained High availability Clusters over AIX servers using HACMP.
* Administered the Network of 400 UNIX Users using Shell Scripts.
* Monitored the Network and System Performance through vmstat, iostat, grapher tool.
* Configured backup and restoration of data from tape in Dump and Tar format using Shell Scripts.
* Implemented backup strategies based on the company policy using Shell Scripts.
* Recovered data from server after a ROOT file system crash.
* Created and added Swap Space at runtime.
* Part of team for Installation and configuration of DB2.
* Configured additional storage devices, partitioned hard disk based on the project requirement.
* Installed several security packages like SNORT, tcpd, tcp-wrappers & ASSET.
* Implemented security in systems and network for all Sun Enterprise Servers & Desktop Servers.
* Handled Day-to-Day operation of all servers running Production jobs, Backups, Restores and Report generations.
* Worked with heterogeneous Client & Server management.
* Backed up and restored data from tape in ufsdump, tar, cpio&dd format.
* Configured the Send Mail configuration file, created e-mail ids, created alias database.
* Handled troubleshooting the configuration file, configured the Boot file for the Domain Name Server to boot, configured and updated the Zone database.
* Installed various software packages such as tcpd, ipfilter and patching the appropriate software.
* Planned for storage and backup including studying the disk space requirement and backup device performance.
* Tested and implemented various types of software for backup.
* Used heterogeneous backup software for Windows and UNIX to backup and retrieve file systems without loss of data.

**Environment:** Red-Hat Enterprise Linux 3.x, 4.x, Solaris 8 & 9, SUSE 9.x & 10.x, AIX, SAN, NFS, NIS, Windows NT & 2003, VERITAS Volume Manager, VCS, VERITAS Netbackup, DELL Poweredge 2850, 2950, IBM DB2, Oracle 9i, Samba, HACMP.