**R Ramkumar**

**Senior Linux Administrator**

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***Summary:***

Highly competent Software Engineer with 5.8 years of experience and with Emphasis in Linux Administration and Windows Administration

* Expertise in Systems Administration, Datacenter, Server Deployment and production support with automation and scripting.
* Good Interpersonal Skills, team-working attitude, takes initiatives and very proactive in solving problems and providing best solutions.
* Day to day administration for the Development environment and Production and Test environment systems. 24x7on-call support.
* Expertise in implementation and maintenance of Apache Httpd, NFS, DNS, SAMBA, FTP, Remote Access, Security Management.
* Installing and configuring of Linux OS.
* Experience on Shell scripting
* Experienced in User Administration, System Security, Trouble Shooting, Setup NFS file systems and shared them to clients.
* Monitoring Linux Server for CPU utilization, Memory Utilization and Disk Utilization for performance monitoring
* Expertise with Creating and managing the swap issues, Package management with RPMs & YUM Management in Red hat Linux.
* Astrophysics software's server support.
* Troubleshooting on DNS related issues.
* Expert in Maintaining Linux Quota System (User & Group Quota Allocation).
* Deep excellence at Scheduling of automatic repetitive Jobs with Crontab & at.
* Strong exposure in Creating and formatting file systems on volumes using LVM.
* Strong ability to troubleshoot any issues generated while building, deploying.
* Worked on GRUB Boot loader in Linux and Kernel upgradation.
* Hands on experience in Logical Volume Manager.
* Hands on experience on infrastructure and enterprise hardware.
* Hands on experience in kdump crash and sos report generate, mysql, Ansible, Terraform.

***Technical Skills:***

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| --- | --- |
| Operating Systems | RHEL 6.x,7.x,Cent OS,Ubuntu,Fedora and VMware ESX 6.5 |
| Web/Application Servers | Apache |
| Virtualization | VMWare |
| Scripting | Shell Scripting |
| File sharing | Samba, NFS, FTP. |
| Others | Package Management , Boot process , VM Ware, Networking , configurations and installations , user administrations , Monitoring , File systems Management , Group Management /Administration , Job Scheduling , RPMS &YUM , Servers Kick Start , Sticky Bit , SSH ,Swapping, Bonding , LVM |
| Volume Manager | Logical Volume Manager. |

***Education:***

* MCA - Bharathiyar University in 2014 with 63%.
* BCA - Paavendar College of Arts & Science in 2011 with 59%.
* HSC -Tagore Higher secondary school in 2007 with 60%.
* SSLC -Tagore Higher secondary school in 2005 with 66%

***Professional Experience:***

***Role: Senior Linux Administrator***

***Client: IBM-Bangalore, Blue Cloud Project.***

***Payroll company: Quesscorp Limited.***

***Duration: July 2020-Till Date.***

***Responsibilities:***

* Responsible for remediating vulnerabilities like OS, DB2,WAS,MQ components across all servers.
* Analyzing vulnerabilities and implementing solution steps in servers, following with downtime process.
* Performing Operating system patching in Linux servers.
* Customizing kernel parameters as part of solution for vulnerabilities.
* Fine-tuning configuration parameters in following services SSH, NFS, HTTP as part of solution for vulnerabilities.

***Environment:***

* Red Hat Linux 7.x/6.x & IBM Cloud

***Professional Experience:***

***Role: Linux Administrator***

***Client: IIAP data center***

***Payroll: Value point system Pvt Ltd.***

***Duration: : April 2019 to march 2020.***

***Responsibilities:***

* Worked as Linux Administrator in IT infrastructure environment providing server administration to support business objectives
* Installed and Configured SAMBA Server in Linux for accessing the shared files from the windows environment.
* Designed & Implemented System Security administration policies. Systems security administration policies include: User ID/Group ID management, Password policies, password aging for Linux Users
* Configured volume groups and logical volumes, extended logical volumes for file system growth needs using Logical Volume Manager (LVM)
* Creation of Kickstart images for the different version of Red hat Linux Operating system like 6.x
* Managed and upgraded UNIX's server services such as Bind DNS.
* Performed process automation, scheduling of processes using CRON jobs.
* Installation/Configuration of ESXi 4.x and above servers and applying security patches to the ESXi servers
* Maintained the centralized log server for all Linux clients.
* Configuring and Maintaining of Network File Systems like (N.F.S) and Auto mount in networks installing and updating Kernel. Created and modified swap files and added swap space
* Configuring various Hardware level RAIDS on Dell Blade Server (Power Edge 860 & 2850series)
* Upgrades of Red hat servers from 5.10 to 6.5, patching and Vulnerabilities fixing.
* Worked on VMware Update Manager for updating or Patching for all the ESX hosts and Virtual machines.
* Worked on infrastructure and enterprise hardware.
* Configuring FTP server on Red Hat Enterprise Linux.
* Extensive experience in Linux/Unix system Administration, System Builds, Server Builds, Installations, Upgrades, Patches, Tuning, version control, Migration, Troubleshooting on RHEL/CentOS 5.x,6.x,7.x
* NTP server and client configuration for synchronization of timing of all the server with the NTP server
* Cloud (AWS) support to End-user.
* Performed all LVM and file system tasks like creation of Logical volume and file system, mount a file system, modifying size of a Logical Volume and file system, removing a file system.
* Creation, Installation and administration of Red Hat Virtual machines in VMware Environment 5.X .
* Responsible for installing, upgrading, and administering the (RHEL 5.x, 6.x & 7.x) servers usingKickstart installation and PXE boot Installation.
* Patching, Upgrading and mounting tasks related to different OS of Red hat 5.8, 6.4, 6.6 and 7.0
* Set-up directory shares with NFS servers and configuring clients (/etc/exports, /etc/fstab)

***Environment:***

Red Hat Linux 7.x/6.x/5.x VMWare.

***Professional Experience:***

***Role: Support Engineer,***

***company: Aprajitha Dynamic synergies Pvt Ltd***

***Duration: September 2015 to December 2018***

***Responsibilities:***

* Worked on System administration, maintenance and monitoring various day-to-day Operations
* Experienced in Installing and configuring of Linux on servers.
* Strong expertise with Troubleshooting Booting problems and Boot loaders problems.
* Involvement in Explore Package management with RPMs & YUM management in Redhat Linux.
* Configuring FTP server to maintain the shared folder within the organization.
* Users and Group Administration and giving special permission using SUID/SGID and Sticky bit.
* Implementing Access Control Lists (ACLs).
* System monitoring, maintaining server logs, job scheduling.
* Worked on infrastructure and enterprise hardware.
* Managing SSH for securing the server.
* Maintaining Linux Quota System.
* Resolve the user related problem.
* Providing sudo access to the user.
* Manage user accounts, groups, hosts, file systems.
* Resolving mount point full issues like /var, / and otherapplication file systems.
* Monitoring Server processes using ps, top, Vmstat and reviewing logs for failures.
* Maintaining, monitoring, and troubleshooting Linux Servers.
* Administrative commands, configuration files and log files.
* Deleting user accounts, automating systems tasks, systems initialization, and startup shutdown.
* Experience on Disk replacement.
* Creating Logical volumes and Disk groups.
* Creating, Resizing, and Restarting the Volumes.

***Environment:***

* Red Hat Linux 6.x, NFS, VMware ESX 4.x, LVM.

***Professional Experience:***

***Role: Desktop Support Engineer,***

***Company: BELL IT PARK***

***Duration: May 2014 to July 2015***

***Responsibilities:***

* Maintained hardware and software to comply with department and security standards.
* Monitoring all servers and network devices.
* Windows and Linux OS installation and troubleshooting.
* Local and Networking printer configurations.
* Data Backup and restore.
* Antivirus installation and configuration.

***Declaration:***

*I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.*

***PLACE : Bangalore.***

***DATE : (RAMKUMAR.R)***

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