**Syed Rizvi**

**Linux Infrastructure Engineer**

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**SUMMARY**

A professional and passionate Linux Infrastructure Engineer, possess above **6 years** of extensive experience in system development, designing, configuration, and management across a range of environments including physical, virtual, and cloud-based systems. Expertise in Patching, Virtualization, System Monitoring, System Support, Application Support, User Management, and automation tools such as Ansible and bash scripting. Excellent in version control tool Git and Git Hub. Exposed with docker. Collaborated within team environments to achieve company goals and successfully executed high-level tasks. Eager to explore new innovative techniques and bring them to the table.

**TECHNICAL SKILLSET**

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| --- | --- |
| Operating Systems | Red Hat, Ubuntu, CentOS, Debian |
| Cloud | AWS, EC2, S3, Glacier, EBS, EFS, ELB, IAM, CloudWatch |
| DevOps Tools | Ansible, Ansible Tower, Git, GitHub |
| File System | EXT3, EXT4, XFS |
| Disk Management | SAN, NFS, LVM, GDISK, FDISK, PARTED |
| Monitoring Tools | Nagios, BMC Remedy, Jira |
| Virtualization | VMware, ESXI, Vcenter, Vmotion, V-Converter |
| Networking | HTTP, SSH, TCP/IP, DHCP, TFTP, FTP, DNS, NIS, SMTP |
| Package management | YUM and RPM utility |
| Optimize System | Kernel and Performance Tuning |
| Web Server | Apache Server, NGINX |
| File Sharing Server | NFS, SAMBA, TFTP, FTP, SCP |

**WORK EXPERIENCE**



09/2020 – Current - **IBM, NYC, NY**

Linux Infrastructure Engineer

* Proficiency in provisioning, configuring, operating, and maintaining Linux based operating systems.
* Extensive expertise in administering, upgrading, and providing support for VMware/ESXi.
* Managing LVM on SAN (LUN), NAS, creating, extending, migrating, mirroring, taking snapshots, and troubleshooting failed LVM.
* Experience in managing multi-tier applications using Ansible.
* Expertise in writing Ansible playbooks to manage the configurations of multiple servers and automate daily tasks.
* Using Ansible to manage Web applications, Environments configuration Files, Users, Mount points, and Packages.
* Familiar with Docker and deploying docker containers, pulling images, and deploying applications in isolated environment.
* Used Kubernetes to deploy, scale, and manage containerized applications in Linux environments.
* Set up network bonding, log rotation, password policies, and Apache configurations across all Linux servers.
* Utilized GIT as a collaboration platform for project management and to manage personal projects and track changes.
* Proficient in using Git for access management, versioning, branching, and merging.
* Utilizing AWS to spin EC2 instances of pre-configured RHEL 6 and 7 AMI, in the cloud environment.
* Deploy new server instances in AWS (EC2), configure security groups, and establish Elastic IPs.
* Creating and utilizing S3 buckets for storage on AWS, managing and setting lifecycle policies to move data across S3 storage. Archiving S3 bucket data in S3 Glacier.
* Utilize Amazon CloudFront to host and distribute static web content
* Utilizing Jira ticketing tool to track issues and bugs in software development projects.
* Using Splunk graphical interface to get system logs, performing Root Cause Analysis (RCA) with Splunk log analysis to resolve incidents and ensure the health and stability of the Linux systems.
* By using ILO and IDRAC, remotely access server consoles, enabling to diagnose issues and perform maintenance tasks.
* Proficiency in monitoring system performance, resource utilization, and system load, as well as adjusting kernel parameters to optimize performance and managing the loading and unloading of kernel modules.

02/2018 - 08/2020 - **Samsung America Inc., Ridgefield Park, NJ**

Linux System Administrator

* Proven experience of carrying out operating system upgrades and patch installations.
* Provided assistance in the recovery, performance enhancement, and tuning of RHEL systems.
* Created, deployed, and carried out procedures for disaster recovery.
* Responsible for managing the file system, which includes monitoring sizes and resolving any inconsistencies.
* Troubleshoot a wide range of issues, such as problems related to local user accounts, NIS, NFS, NTP, network connectivity, memory.
* Safely copied files between machines using SCP and RSYNC commands.
* Experience in identifying and resolving technical issues in both test and production environments through troubleshooting.
* Set up a range of services, including DNS, HTTP, HTTPS, SMTP, FTP, Apache, PXE boot, Kickstart.
* Managing Users and Groups and applying security permission to users and directories.
* Experience in managing users and storage of systems.
* Set up IP tables and a firewall to enhance security.
* Performed routine system maintenance, checking up the process statuses.
* Implemented SSH key for password less connectivity.
* Collaborated with my team members to ensure the stability of the server and prevent any unforeseen downtime.
* Significant expertise in data management utilizing Logical Volume Management.
* Responsible for developing and maintaining bash scripts to automate deployment and tasks.
* Utilized system monitoring tools such as top, sar, ps, vmstat, netstat, iostat.
* Worked with monitoring tools like Nagios.
* Experience in ticket resolution with the aid of Jira.
* Responsible for scheduling jobs with the help of Anacron.

10/2016 - 12/2017 - **Mizuho Bank, Newyork, NY**

NOC Technician

* Provided technical support, performed troubleshooting, and resolved network issues.
* Enhanced network security, as well as documenting network processes, repairs, and cabling layouts.
* Collaborated with vendors to ensure the maintenance of both software and hardware.
* Executed diagnostic tests on proper communication between computers, routers, modems, and servers.
* Reviewed the logs for any errors and addressed them appropriately.
* Installed, configured, and updated networking accessories for end-users.
* Used YUM and RPM to install and upgrade Linux packages.
* Optimized servers performance by ensuring smooth network traffic.
* Update the inventory record and other files as necessary.

**EDUCATION**



Expected 2024 - **Computer Information Technology**

Queens Borough Community College