**Vinay Kumar**

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**Summary:**

Having experience as a Linux administrator for more than 4 +years in installing managing and troubleshooting performance related issues on around 4000+ servers.

Having experience of 2+ years on AWS cloud platform and worked extensively on some of the core services like EC2, S3, VPC, IAM, ELB, EBS, NACL, Security groups, cloud-watch, Autoscaling, Route53, RDS and Lambda etc.

**Skills and knowledge:**

**Amazon Web services:** EC2, S3, Glacier, IAM, ELB, VPC, Auto scaling, RDS, ROUTE53, Cloud Watch, SNS, SQS, Cloudtrail.

**Linux Administration:**

* Creating and Managing the **File systems**.
* Responsible for **adding**, **creating new users**, **groups** and setup home directories and appropriate access restrictions to software and **directories & files** using access modes.
* Configuring **ACL**s (Access Control Lists) for users.
* Configuring **LVM** (Logical Volume Manager) and managing the volumes.
* Troubleshooting system performance like **CPU, Memory, Network Devices, I/OWait’s.**
* Configuring different RAID levels RAID 0, RAID1 and RAID 5 on Linux.
* Update Management.
* Scheduling jobs using **Crontab** and at jobs.
* Backup & Restoration by using **scp, rsync** and **dump**.
* Package management with **RPMs & YUM** management in RedhatLinux.
* Installation and configuration of **NFS, Samba** and **FTP** file Servers for file sharing.
* Knowledge on configuration of **DNS, DHCP**.
* Working experience on **shellscripting**.

**Operating System:** RHEL 6.x, 7.x, 8.x UBUNTU, CentOS, Windows.

**Ticketing Tools:** Service Now, BMC remedy

**Monitoring Tools: Kibana, Grafana.**

**Work Experience:**

**Feb 2020 – Till Date:** ASSEMBLAGE ANIMATION STUDIOS, MUMBAI.

**Cloud-Ops (Amazon Web Services)**

* Deployed infrastructure using AWS solutions like EC2, S3, RDS, IAM , EBS, ELB, EMR, and Auto scaling groups, Route53, Cloud Watch.
* Configure Cloud Watch dashboards based on custom metrics and provide detail reports.
* Setup and attached EBS volumes to EC2instances.
* Deployed EC2 instance architecture to meet high availability application architecture and security parameters.
* Managing users and groups using the Amazon identity and access management (IAM).
* Having very strong knowledge on Lambda and step functions.
* Deployed and managed virtual private cloud (VPC) environments on AWS.
* Configured and managed VPC network components, including subnets, route tables, and security groups.
* Monitored and troubleshooted VPC network connectivity, security, and performance issues.
* Automated VPC deployment and management tasks using AWS services such as CloudFormation, Lambda, and EC2 Systems Manager.
* Managed user access to AWS resources with IAM policies, roles, and permissions, ensuring the necessary access while maintaining infrastructure security.
* Created, configured, and managed S3 buckets, permissions, and lifecycle policies, ensuring secure storage, availability, and accessibility of data.
* Deployed and managed Elastic Load Balancers, including setting up target groups, load balancer listeners, and health checks.
* Configured auto-scaling groups, scaling policies, and utilized CloudWatch metrics to automatically scale instances based on demand.
* Created and managed DNS records such as A, AAAA, CNAME, MX, and TXT records, as well as load balancing-related records using Route53.
* Configured and managed CloudWatch for effective infrastructure monitoring.
* Designed, configured, and managed CloudFormation templates, including template creation, validation, stack creation, updates, and deletion, as well as stack automation.
* Collaborated with development and operations teams to design and implement infrastructure solutions using Terraform.

**Linux Administration**

* Working on Incident & Change Management issues in Linux (Sev 1, 2,3)
* Managing & Resolving disk space issues using **Logical Volume management (LVM)**
* Creating daily health check reports of servers, storages.
* Planning & Resolving the Issues within the specified downtime.
* Scheduling jobs using **Crontab** and **AT** jobs.
* Responsible for adding, creating new users, groups and setup home directories and appropriate access restrictions to software and directories & files using access modes.
* Managing & Resolving disk space issues using Logical Volume management
* Creating daily health check reports of servers, storages.
* Managing disk space, processor utilization and network utilization related to server.
* Swap space management.
* Monitoring the performance of the system using **sar, ps, vmstat, netstat, nfsstat, rpcinfo and iostat** to check the **CPU utilization** and memory usage.
* Creating and administration of Logical Volumes, Physical Volumes using LVM.

**Educational Details:**

Aditya Degree College

**Graduation: B.C.A(Bachelor of computer applications)**

Aditya Junior college

**Board of Intermediate Education**

Bethel High School

**Secondary School Education**

**Declaration:**

I here-by, declare that the mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the mentioned particulars.

**Vinay Kumar M**