

**JYOTI KUMAR****Current Address:**

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**OBJECTIVES**

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To serve an organization, which concerned my skills and utilize them to the fullest and thereby leading the growth of both the organization as well as my career in the organization.

**TECHNICAL EDUCATION**

Diploma in ITES&M. from Board of Technical Education (B.T.E), Delhi

RHCE (Red Hat Certified Engineer) Training from Openpath institute

**EDUCATIONAL QUALIFICATION**

Graduation (BA) from SOL, Delhi University (Correspondence) in 2019

3 years Regular Diploma in ITES&M from B.T.E, Delhi in 2014

12th from CBSE in 2011

10th from CBSE in 2009

**TECHNICAL EXPERIENCE**

Total Years of Experience: ~5 years 1 months

**KEY SKILLS**

Worked on Linux flavors Red Hat Enterprise Linux (RHEL6, RHEL7, RHEL8)

- **Package Management**
  - packages management (rpm & yum)
  - patch update for the application
  - Upgrade Kernel and OS using rpm and YUM
- **Backup**
  - Tools used rsync, scp, winscp, filezilla
  - Mysql Database using tools like adminer, phpmyadmin, command line
- **Users & Group**
  - Managing users & group and apply policy using chpasswd, sudoers etc.
  - Giving permission using setfacl, chmod, chown, chatter etc.
- **Storage Management**
  - LVM Implementation for dynamically extending and reducing partition sizes as and when the needed.
  - Configuration of Hardware RAID (Raid0, Raid1, Raid5).
  - Managing disk using fdisk utility.

- **Database**
  - Installation and Configuration of Mysql server and Maria db.
  - Basic commands of Mysql i.e, select, count, alter, insert, update
  - Backup and Restore of Databases and Tables.
  - Creating users, assigning permissions for the database.
- **Server configuration**
  - Apache Web server (hosting web site and for the application, enabling SSL self-signed Certificate, password based login for web page).
  - SSH for remote access, securing with restricting root login, password less login, secure copy.
  - NFS for linux to linux file sharing, mounting shared files temporarily and permanently (fstab entry).
  - DHCP for automatic ip assign , internet sharing, IP configuration.
  - Writing bash script to automate the task.
- **Bash/Shell Scripting**
  - Automate tasks with bash scripting.
  - use of functions, loops, menus and arrays, condition with if then else, integer comparison, file sourcing, exit code.
  - test operators, system defined and user defines variables (append, substitution, read), argument as array.
  - use of grep,sed, awk, cut, sort, tr, head, tail, ps , kill etc.
- **Asterisk**
  - Installation and Configuration of Asterisk (Configuring VOIP, PRI, Dahdi, Lippri, DID, Queue, Dial plan, PBX, IP PHONE).
- **Vmware Hypervisor ESXi**
  - ESXi installation, virtual machine installation
  - Cloning and Snapshot of a virtual machine
  - LAN, VLAN creation, virtual switch management
- **AWS, GCP and DevOps Tool**
  - **AWS Cloud**
    - S3 bucket, object, applying policy for bucket.
    - EBS, mount EBS volume, snapshot of EBS.
    - EC2 , elastic IP, snapshot, security Group.
    - Monitoring with Cloud trail and Cloud watch.
    - Alarms and notification with SNS and SQS.
    - Amazon Relational Database and its engine such as NoSQL, MYSQL, PosgreSql, Mariadb, Amazon Aurora and Mongoddb. Replica of db and High Availability on different zones.
    - Instances create with automation tool of cloud formation and template.
    - Auto Scaling, Load balancing.
    - Iam user, group, permission, MFA.
    - Route 53, DNS, ip mapping with DNS.
    - VPC, create own custom CIDR block range of VPC and subnet.
  - **Cost Optimization**
    - Move S3 bucket storage into IA, Glacier and Deep archives.
    - Stop un-necessary instances.

- Select correct instance type as the application required like CPU, RAM, Storage.
- Choose correct storage drives as EBS, HDD, SSD and IOPS.
  
- **GCP Cloud**
  - Create instance, snapshot, assign static IP.
  - DNS mapping
  - MYSQL creation, replicate of db.
  - Firewall rules , egress, ingress rules.
  - VPC creation, mapping instance with VPC.
  - Instance size increasing from micro to small and medium.
  
- **DevOps Tool ( Jenkins, Git, Docker, Kubernetes )**
  - Automate deployment using CI/CD on staging and development environment.
    - CI/CD, create jobs of freestyle and Pipeline, add plugins, authenticate with credentials like secret, username and password, ssh login.
  - Maintaining git repositories.
    - git clone, git pull and push, git merge and conflict, git rebase and git stash.
  - Working on docker and containerized application.
    - docker container, docker volumes, docker file, docker image, docker compose, networking in docker .
  - Containerized application orchestration with Kubernetes
    - Installation and setting up kubernetes cluster on AWS manually from scratch.
    - Create Kubernetes deployment, statefulsets, Network policy etc.
    - Pod deployment, statefull sets app, ingres , namespace, volumes, master and worker nodes, pod describe, replicaset, pod logs.
    - Create Kubernetes dashboard.
  
- **Server Hardware**
  - Changing RAM, NIC cards, RAID cards etc,
  - Hardware support for IBM x3650, Dell T20, Dell PowerEdge (R710, R230) , HPE ProLiant (DL160, DL360).
  
- **Monitoring**
  - Monitoring server performance like cpu & ram utilization, disk space, network monitoring, server logs, process status (using top, htop, ps, netstat, dstat, nagios etc, ).
  
- **OTHERS**
  - Creating hard & soft link, tar, untar, zip, gzip, gunzip.
  - IP address configure , routing, NIC Bonding
  - Job Scheduling and Automating process using cron.
  - Booting OS with usb, cdrom, PXE boot
  - Securing and hardening the Operating System
  - Adding/removing swap space, swapon, swapoff

## **CERTIFICATIONS & TRAINING**

RHCE Training From Openpath Institute, New Delhi

## **PROFESSIONAL EXPERIENCE**

### **System Admin**

Tekege Solutions Pvt. Ltd

March 2020 - till now

#### **Role & Responsibilities**

- Working as Red Hat Enterprise Linux System Administrator (RHEL8, RHEL7, RHEL6).
- Managing Office Network and Ubuntu Desktops.
- Managing disk, cpu, memory usage.
- Automating task with bash script and Jenkins.
- Providing technical Support for Asterisk, Tomcat and Java Based Product.
- Deploying code through Jenkins and Gitlab.
- Setup the server as per the required package for the application like tomcat, java, maven, httpd apache, php etc.

### **Linux Support Engineer**

Parahit Technologies Limited

May 2017 - July 2019

#### **Role & Responsibilities**

- Worked as Red Hat Enterprise Linux System Administrator (RHEL7, RHEL6, RHEL5 )
- Package management, installing/upgrading/removing and applying patches for the Operating system and also for the applications.
- Manage User Accounts and Groups.
- Adding devices to system and network equipment.
- Disk management, controlling and configuration like scanning the disks, creating VG, PV and LV.
- Securing and Hardening RHEL Production Servers.
- Hardware support , changing RAM, DISK, NIC ports, RAID cards etc.
- Installation of asterisk, voip, dahdi , libpri, ip-phone, soft phone .
- Configuration of SIP Trunks and Voip.
- Providing remote Infrastructure Management and Technical Support Services.
- Troubleshooting and Monitoring OS related Issue.
- Analysing logs using wireshark packet analyzer, tcpdump.
- Providing remote Infrastructure Management and Technical Support Services.
- Handling client escalations, Communicating with them via Email, Chatting or Telephone.
- Training new resources and sharing knowledge with the entire team.

### **Linux Support Engineer**

Wipro Infotech (Payroll Company: IDC Technologies)

May 2015 - October 2016

#### **Role & Responsibilities**

- Linux Server Monitoring over Nagios monitoring tool.
- Providing Server Hardware Support.
- Resolving OS related issues.
- Data Center visit for Server related issues.
- Daily basis Reporting over mail to IT Manager.

**STRENGTHS**

- Able to give output through the co-operation and co-ordination of my colleagues.
- Wish to undertake any kind of technical assignment.
- Able to give output even working in shifts.
- Wish to attain more knowledge in short age.

I feel myself to be a keen learner with zeal and enthusiasm with innovativeness seeking for a right opportunity. I belong to a traditional family with modern outlook. Hope to hear from your side. I solemnly declare that the particular above information are correct.

**Date****(Jyoti Kumar)****Place New Delhi**