

## Summary:

- **8+ years** of overall experience working in Devops, AWS and Linux administration which includes end to end infrastructure support, managing applications & migrating servers from physical to virtual & on-premises to cloud.
- Hands on experience with AWS services: EC2, S3, RDS, VPC, ELB, EBS & Auto scaling.
- Experienced in Jenkins installing, configuring & maintaining for purpose of continuous and for end to end automation for all build and deployments and creating Jenkins CI pipelines.
- Experienced in branching, merging and maintaining the versions using SCM tools like Git & GitHub.
- Experienced in creation for Docker containers & Docker consoles for managing the application lifecycle. And creating custom Docker images using Docker file.
- Experienced in creating / managing the Ansible playbooks to automate the server configuration & regular works and good knowledge on Ansible ad-hoc commands.
- Good understanding about Kubernetes & Openshift to maintain container clusters.
- Experienced in server configuration like FTP, NFS, SAMBA, Apache, DNS & DHCP on Linux platform.
- Having good knowledge & experience on LVM, RAID, ACL, IPtables & Iscsi concepts.
- Experienced in building & managing virtual machines via Vcenter (Build, Migrate, Disk addition ..etc)
- Experienced in project management and issue tracking tool like JIRA & Service Now ticket tool.
- Experienced in different monitoring tools like Logic Monitor, OpsRamp, NewRelic & Nagios.

## Education:

- MSC (Computers) from A.V.P.G center, Gaganmahal, HYD - 2009-2011.
- BSC (Computers) from BMR Degree College, Siddipet - 2006-2009.

## Technical Skills:

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| ▪ <b>Operating systems:</b> Linux (RHEL 6.0/7.0/8.0), SUSE Linux | ▪ <b>Infra as Code:</b> Terraform & Cloud Formation  |
| ▪ <b>Versioning Tools:</b> Git & GitHub                          | ▪ <b>Virtualization:</b> VMware, VSphere client      |
| ▪ <b>CI &amp; CD:</b> Jenkins                                    | ▪ <b>Scripting:</b> Shell & Python (Basics)          |
| ▪ <b>Configuration Management:</b> Ansible                       | ▪ <b>Log Management:</b> SUMO logic & Splunk         |
| ▪ <b>Containerization Tool:</b> Docker & Kubernetes              | ▪ <b>Monitoring:</b> Logic Monitor, Opsramp & Nagios |
| ▪ <b>AWS:</b> EC2, S3, ELB, EBS, VPC, Auto scaling etc..         | ▪ <b>Ticketing Tool:</b> JIRA, Service Now & Remedy  |

**Work Experience:**

- Working for **Micron Technology, Inc.**, as a Systems Engineer – IT Unix from May 2019 to till date, Hyderabad.
- Worked for **TATA Consultancy Services.**, as a IT Analyst (L2) from Oct 2016 to Apr 2019 for client MARS, Hyderabad.
- Worked for **Indmax Maximizing Core IT.**, as a CloudOps Engineer (L2) from Apr 2014 to Aug 2016 for client SPS Commerce (US), Hyderabad.
- Worked for **Integrate PMC India Pvt Ltd.**, as a Technical Assistant from Jan 2013 to Aug 2013, Hyderabad.
- Worked for **TRC Engineering (I) Pvt. Ltd PMC.**, as a Technical Assistant from Oct 2011 to Dec 2012, Hyderabad.

**Systems Engineer – IT Unix**  
**Micron Technology, Inc., Hyderabad**

**May, 2019 – Present**  
**Devops, Linux & AWS**

- Managing AWS services – EC2, VPC, EBS, S3, ELB, SNS, CloudWatch
- Experience in managing and maintaining IAM policies for organization in AWS to define groups, create users, assign roles, and define rules for role-based access to AWS resource.
- Experience in implementing secure VPC solutions in AWS with the help of Network ACLs, security groups, public and private network configurations
- Create S3 buckets, also managing policies for S3 buckets.
- Create AWS route53 to route the traffic between different regions.
- Created load balancers (ELB) and used Route53 with failover and latency options for high availability and fault tolerance.
- Set Alarms and SNS Events to ensure the health checks are performed in timely manner.
- Good hands-on knowledge of Source Code Management (Version Control System) tools like Git and GitHub.
- Hands-on knowledge of software containerization platforms like Docker and container orchestration tools like Kubernetes and Docker Swarm.
- Developed Ansible playbooks for ORACL server post build tasks & user managements.
- Used Ansible and Ansible Tower as Configuration management tool, to automate repetitive tasks, quickly install packages, and proactively manages changes.
- Experienced with integration AWS , Docker & Ansible with Jenkins and scheduling the jobs.
- Building servers (Virtual/Physical) based on customer requirements.
- Migrating servers from SUSE to RHEL and also decommission the servers who are not being used by application team.
- Building the Hadoop servers with all the requirement and supporting them with the regular issues.

- Handling FTP/SFTP user acct management, LDAP user acct management and troubleshooting access issues.
- Working on Compute part of VMware like CPU, RAM, DISKS, VMOTION, HA adding and removing the resources.
- Using scripting languages and tools to automate regular tasks. (Ansible & Shell Scripting)
- Ability to identify the server hardware issue through the logs and coordinating with vendor to fix the issue by change management process.
- Monitor overall health of all the Unix/Linux environment with an emphasis on proactive discovery of potential issues.
- Good knowledge in ITIL process and implementing the same in organizations as per requirement.

### **IT Analyst (L2)**

**TATA Consultancy Services, Hyderabad**

**Oct, 2016 – Apr, 2019**

**Linux (RHEL, SUSE) & AWS**

- Create IAM to manage AWS console and various services for user and various application etc
- Created AMI images of critical ec2 instances as backup using AWS GUI. Setup and managed backup and recovery using snapshot, Utilize EBS to store persistent data and mitigate failure by using snapshots.
- Configuring IAM roles for EC2 instances and assigns them policies granting specific level access to S3 buckets.
- Creating S3 buckets and managing policies for S3 buckets and Utilized S3 buckets for storage and backup on AWS.
- Setting up private networks and sub-networks using Virtual Private Cloud (VPC) and creating security groups to associate with the networks.
- Setup/Managing Linux Servers on Amazon (EC2, EBS, ELB, S3, Route53, and IAM).
- Expertise in Patch Management on different Linux environment as per vendor's latest release.
- Registering Red-Hat & suse Client servers with red-hat satellite & SuSE Management servers
- Developing shell scripts to automate the pre & post checks of OS patching & user management
- Have hands on upgradations of OS, kernel, firmware (BIOS/ILO), Ethernet card driver firmware
- Good knowledge in HP-Service guard cluster (File system creation, managing the packages between the nodes).
- Configuring NFS server and clients and troubleshooting the issue
- Good knowledge in working on File systems like LVM, ISCSI luns, NFS(v3,v4), XFS, disk partitioning, File system errors checking.
- Proactively working on repeated alerts to avoid unexpected downtime on production environments
- Working on different system resources related alerts (Diskspace, CPU, Memory, Load Avg)

**CloudOps Engineer (L2)**  
**Indmax Maximizing Core IT, Hyderabad**

**Apr, 2014 - Aug, 2016**  
**Linux (RHEL) & AWS**

- Managing and Monitoring complete SPSCCommerce Infrastructure which hosted in 2 physical DCs and AWS cloud
- Good Knowledge in OS installation, configuration, updates and patches, bug fixes and setup required environment on Linux Servers
- Good knowledge on AWS EC2 instance creation, upgradation, Load balancing.etc
- Restarting different applications (tomcat,glassfish, Weblogic instances) based on Pagerduty alerts
- Reviewing application logs from server and sumologic UI, taking thread dumps/heap dumps and providing troubleshooting steps
- Deploying an Application into MESOS Compute Pool, Shutting Down or restarting Applications in Marathon and checking stderr & stdout logs in Sandbox.
- Managing Tape Drives Backups Using Simpana and engaging with Sungard
- Creating different error types of dashboards in Sumologic
- Experience in failover LM collectors & moving hosts between the collectors
- Fine tuning the LM related alerts and modifying threshold & creating new data sources and data points.
- Experience in automate scripts for required environments through Jenkins
- Collaborating with different teams and assisting them when required

**Personal Profile:**

Name : M.Shiva Kumar Reddy  
Date of Birth : October 20, 1988  
Place of Birth : Thippapur, Kamareddy Dist, T.S, INDIA  
Religion : Hindu  
Marital Status : Married  
Language Known: Telugu, English, Hindi.

**Declaration:**

I hereby declare that all the data and information provided above are true and correct to the best of my knowledge and I hold responsible myself for any irregularities, if found.

Place:

Date:

(M.SHIVA KUMAR REDDY)