** K. Mahesh Reddy **

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**PROFESSIONAL SUMMARY**

1. A result oriented certified professional with 4.8 years of overall experience as Linux and AWS Cloud Administrator.
* Working as Linux and Cloud admin **Digital nirvana information systems** since November 2019
* Worked as AWS Cloud and Linux Admin **Foray Software Pvt Ltd** with a total of 1 .3 years of work experience from 27th August 2018 to November 2019.
* Worked as Linux HPC Cluster administrator in **Wipro InfoTech** with a total of 1.8 years of work experience from November 2016 to August 2018.
* Worked as a System Administrator in **Foray Software Pvt Ltd** with a total of 0.8 years of work experience from August 2015 to March 2016.

IT SKILL SET

 Well versed with

* Expertise in Amazon Web Services (AWS) environment and good knowledge of AWS services like Elastic Compute Cloud (EC2), Elastic Load-balancers, S3, Cloud Front, Elastic File system, RDS, VPC, Route53, AMI, Snapshots, ACM, Cloud Watch, Cloud Trail, IAM, Auto scaling, Elastic Block storage and AWS backup.
* Good knowledge of like Configuring virtual machines, storage accounts, Resource groups, Load Balancing, Mysql Database Service.
* Good knowledge of Devops tools like Git, Ansible, Jenkins, and Docker.
* Configured Wildfly JDK servers and patch management using GIT repository.
* Installation of SSL Certificate management with Key store management o Troubleshooting.
* Good hands on of Linux &Windows server operating systems. And troubleshooting
* Installations of Severs like LVM, RAIDS, FTP, SAMBA, NFS, LDAP, APACHE, TOMCAT, KICKSTART, Mysql, Nagios, Mail Server, YUM, Image restore and backup, ISCSI and NIS.

CAREER SCAN

* **Associated with Digital Nirvana Information systems, Hyderabad as System administrator since November 2019 to till date.**
* **Cloud admin responsibilities:-**
* In Digital Nirvana we are managing fully on demand AWS Cloud based infrastructure.
* Monitoring Cloud units through Cloud watch, Instant response on SNMP.
* Working as AWS cloud, Create and Manage AWS services EC2, Elastic Load balancer, Elastic file system, RDS, AMI, Snapshots, AWS Backup, Route53, IAM, VPC, ACM, Elastic blocks storage, Cloud front, Cloud watch etc.
* Creating and managing AWS ec2 units, Security groups and AWS KEYS.
* Creating and assigning ACM certifies to AWS services like ELB, Cloud front etc.
* Managing Cloud Data by AWS S3 services and storage gateway. Also Assigning public and private access to S3 buckets.
* Well versed with AWS IAM user management and IAM roles.
* Taking Snapshots and AWS images using EBS.
* Manage application and Classic load balancers, attach and detach the ELB while service upgrades.
* Manage and trouble shoots AWS VPC service. Configuring of Virtual Private Cloud (VPC) with networking of subnets containing servers.
* Configured NAT instance for internal servers within the private subnets thereby not exposing to the public internet.
* Capture logs by Cloud trail and providing to Audit team.
* Patch management by using GIT repository.
* Creating alerts and notifications to clients through SNMP.
* Troubleshooting complex scenarios related to an Application Deployment.
* **Other Responsibilities:-**

* Digital Nirvana has its own products for supporting media services, MonitorIQ, Trance, TranceCCS are the main products. Providing 24x7 on-call support for products issues and providing infrastructure support. Monitoring Client units and services through Nagios tool on daily basis.
* Installing and upgrading Products and patching on client units through remote session.
* Configuring and troubleshooting Linux services as client requirement like NFS, Apache, Samba, NTP, and Performing BASH Scripts etc.
* User and group Management, File system management & Data Management by LVM
* Taking File system image backups and Restoring Image on client units and own demo units. Configuring RAIDS.
* **Associated with Foray Software Pvt LTD, Hyderabad as AWS cloud Admin since August 2018 to till date.**
* Well hands on Amazon Web Services (AWS) environment and good knowledge of AWS services like Elastic Compute Cloud (EC2), Elastic Load-balancers, S3, Cloud Front, Elastic File system, RDS, VPC, Route53, Cloud Watch, Cloud Trail, IAM, Auto scaling, Elastic Block storage
* Installation of “SSL Certificate Management” with Key store management for wild fly and jdk servers troubleshooting.
* Configured Wild fly and jdk server with SSL keys.
* Good knowledge of configuring ESXI servers and virtual machines.
* Configured NAT instance for internal servers within the private subnets thereby not exposing to the public internet.
* Worked on http to https redirections of apache servers.
* Experience in AWS, which included managing application in the cloud and creating instances.
* Created elastic load-balancers (ELB) for different applications
* Implemented Auto Scaling for high application availability.
* Configuring IAM roles for EC2 instances and assigns them policies granting specific level access to S3 buckets
* Involved in maintenance and performance of Amazon EC2 instance.
* Working with Linux services like NFS, HTTP, LVM and LDAP.
* Working with VPN environment and user troubleshooting.
* Automated and prepared the jobs with BASH scripting and crontab.
* **Associated with Wipro InfoTech, Hyderabad as AWS Cloud admin & Linux HPC Server administrator since November 2016 to August 2018.**

 **HPC Cluster Admin Roles & Responsibilities**

* Primarily responsible for day to day oversight for the operations of the HPC environment.
* Creation of users and resource management by assigning Nodes to users for different priority of job submission on LSF scheduler 8.3.
* Monitoring the "**114 node IBM system X servers**" using ganglia monitoring tool.
* Maintained GPFS 3.2 (General parallel File system) ext4 and ext3 file systems.
* Daily monitoring of IBM SAN Storage using Storage Controller
* Assigning queues, limits, resources as per client requirement
* Worked on hardware and firmware levels of the IBM X servers.
* Working with Linux services NFS, NIS.
* Automated and prepared the jobs with BASH scripting and crontab.
* Installation and updating of software compilers like GCC, openMPI, PGI, and CUDA.
* Creating and maintain EC2 servers, ELB, security groups, Web servers, IAM roles and responsibilities.
* Managing S3 buckets, data and ACLS
* **Associated with Foray Software Pvt Ltd, Hyderabad as System Administrator from August 2015 to March 2016.**

 **Roles and Responsibilities:**

* User account management like creation, deletion and assigning permissions
* Maintain and monitor the Linux (Physical & Virtual) and windows systems
* Troubleshooting hardware level issues.
* Configured Linux services like NFS, NIS, jdk, LVM etc., And windows services like Active

 Directory, VPN user’s creation, troubleshooting.

* Remote administration of Linux Systems and windows Systems by using SSH, Remote desktop
* Log and resolved the Tickets with CA ticketing tool.

ACHIEVEMENTS

* Got Active participation Award in Technical skills classes at Wipro Limited

 ACADEMIA

* Bachelors in Electrical & electronics engineering from JNTU-Ananthapur in the year of 2015 with 59.8%.
* Diploma in Govt. Polytechnic College Proddatur in the year of 2012 with 72.8%.
* SSC from Z.P.H school Chowtepalii in the year of 2009 with 91 %.

TECHNICAL CERTIFICATION

* Completed RHEL certification on APR 2016

DECLEARATION

I do hereby declare that the above-furnished information is true to the best of my Knowledge and belief.

**Place: Hyderabad (K. Mahesh Reddy)**