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**Mahesha M**

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**Cloud Engineer in Amazon web services (AWS) position in IT Infrastructure Management with an organisation of repute**

* **With total of 3 + years of experience in gained in IT and 2+ years of experience in implementing solutions over Public Cloud (AWS), currently looking for opportunities as AWS Cloud Engineer.**

**Technical Expertise in Linux Platform**

**An Overview**

**EXCELLENCE SPHERE**

**Cloud Administration**

**OS Level Patching**

**Linux Administration**

**Service Delivery**

**ITIL Framework**

**SLA Adherence**

**Process Improvement**

**File System Management**

**On call support**

* Experienced IT Professional in **system administration and Manage IT infrastructure**, Innovative professional with proven ability to identify, solve and troubleshoot problems.
* To mark my presence in IT & communication Industry with my creative talents & innovative ideas, and carve a niche for myself, where my skills will greatly contribute to your company’s success and enhance my personal growth
* Worked as Administrator strategy in various environments of Linux along with adopting cloud strategies based on **Amazon Web Services.**
* Experience in configuring, deployment and support of cloud services including Amazon Web Services (AWS)
* Strong knowledge and experience on Amazon Web Services (AWS) Cloud services like **EC2, S3, EBS, RDS, VPC, and IAM.**
* Setting up databases in AWS using **RDS**, storage using **S3** buckets and configuring instance backup to S3 bucket.
* Improved infrastructure design and approaches of different projects in the cloud platform Amazon Web Services (AWS) by configuring the Security Groups, Elastic IP's and storage on S3 Buckets.
* Customized Amazon Machine Images (AMIs) & deployed these customized images based on requirements.
* Proficiency in Installation of RHEL Linux 6/7 and Solaris 10/11 Operating systems
* Performed disk administration using SVM, Linux Volume Manager (LVM)
* Patch management on Linux & Solaris servers
* Experience in Performance tools like **IEM, SCCD**
* Demonstrated excellence in **building & implementation of ITIL and ISO27001**; adept in aligning IT processes with ITIL by establishing **Change, Incident and Problem Management** meetings and decreasing turnaround time.

**Career Record**

**Infosys Private limited (payroll Artech infosystem)**

**Duration-** April 2020 – Till date

Working for Infosys client Infrastructure hosted on AWS cloud environment to manage the Infrastructure and Build.

Role: Cloud Engineer (AWS)

**Responsibilities:**

**AWS:**

* Worked exclusively on making applications more scalable and highly available system in AWS (load balancing) with full automation
* Work with internal teams to create the migration process of legacy systems to the AWS cloud
* Work with Security division to design and manage IAM roles for users, vendors and other third party vendors
* Good Work Experience with Linux Administration, Configuring users, LVM partitions, managing File Systems
* Used IAM to create new accounts, roles and groups.
* Managing IAM accounts (with MFA) and IAM policies to meet security audit & compliance requirements.
* Configured VPCs and implemented Peering’s on to it.
* Configured the VPN
* Setup and attached EBS volumes to Ec2 instances.
* Responsible for S3 Buckets creation ,Policies and IAM role based policies
* Build the servers using AWS & Importing volumes
* Responsible for creating monitors, alarms and notifications for EC2 hosts using CloudWatch.
* The configuration of Continuous Integration (CI) and Continuous Delivery (CD) and code deployment through Automation
* Good Experience in creating and modifying Shell , Bash scripts for automation
* Involved in migration and implementation of applications from on-premise to cloud using aws services like SMS,S3,Glacier,EC2,SNS and VPC.
* Configured Chef , Jenkins as part of automation
* Patched the servers regularly.

**Accenture (Payroll datamatics and primus global technologies)**

**Duration-** July 2018 – Aril 2020

Working for Cadence Infrastructure hosted on AWS cloud environment to manager the Cadence sales and services business unit.

Role: Cloud Engineer (AWS )

**Responsibilities:**

**AWS:**

* Worked exclusively on making applications more scalable and highly available system in AWS (load balancing) with full automation.
* Work experience with Ansible Playbooks.
* Good Work Experience with Linux Administration, Configuring users, LVM partitions, managing File Systems.
* Configuring Nagios Monitring for the Linux Servers and setting up the Notifications.
* Building servers using AWS, importing volumes, launching EC2, creating security groups, auto-scaling, load balancers, Route 53,
* SNS in the defined virtual private connection.
* Used IAM to create new accounts, roles and groups.
* Managing IAM accounts (with MFA) and IAM policies to meet security audit & compliance requirements.
* Used Auto-scaling and Elastic Load Balancer features on EC2 instances to serve the end users using applications during unexpected traffic/demand.
* 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 bucket and Glacier for storage and backup on AWS.
* Infra-structure development on AWS using various services like **EC2**, **S3**, **RDS**, **Route53**, **Cloud Front**, **Cloud Watch**, **IAM**, **VPC** etc.
* Using Amazon RDS Multi-AZ for automatic failover and high availability at the database tier for MySQL workloads.
* Create and configure S3 bucket with restricted policies.
* Configuring and managing AWS Simple Notification Service (SNS)
* Experience in AWS, which included managing application in the cloud and creating instances
* Created Snapshots and Amazon Machine Images (AMI's) of EC2 Instance for snapshots and creating clone instances.
* Created and worked on Elastic Block Store and Instance Store Volumes.
* Built a highly available and fault tolerant VPC from scratch.
* Configured NAT instance for internal servers within the private subnets thereby not exposing to the public internet.
* Applying company security policies using Security groups and Network ACLs for instance and subnet level security as per project requirements.
* Setting up private networks and sub-networks using Virtual Private Cloud (VPC) and creating security groups to associate with the networks.
* Used Elastic Load balancer, Auto scaling, Security groups and NACL's to manage network security.
* Configured Elastic load balancers for incoming loads.
* Setup/Managing Linux Servers & Windows Servers on Amazon (EC2, EBS, ELB, S3, Route53, RDS and IAM)
* Merging all developer workings copies with shared mainline server for Continuous Integration.
* Launching and configuring of Amazon EC2 (AWS) Cloud Servers using AMI's (Linux/Ubuntu) and configuring the servers for specified applications.
* Setup and attached EBS volumes to Ec2 instances.

**TVS under Aparajitha Dynamic Synergies**

**Duration-** May 2017 – June 2018

**Responsibilities:**

* Created new accounts for Users, Groups and added users to different groups through IAM
* Launched Amazon EC2 Cloud Instances using Amazon Web Services (Linux/Ubuntu) and launched instances with respect to specific applications.
* Assigned policies for Users as well as, Groups.
* Build servers using AWS: launching EC2, RDS, S3, IAM, VPC, creating security groups, auto-scaling, load balancers (ELBs) in the defined virtual private connection.
* Maintaining the user accounts (IAM), RDS, Route 53, SNS services in AWS cloud.
* Created Ec2 instances with VPC and Subnets
* Created S3 bucket for Policies.
* Implemented AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups and Cloud Formation Templates.
* Setup S3 buckets for Artifact management and Storage of batch files for multi cluster batch application.
* Created and configured cloud VM on Amazon Web Services (AWS) for dev team
* By Creating ACL groups I provides security for securing the project requirements.
* Extensively used VPC for setting private and public subnetworks for security groups in network.
* Created Snapshots and Amazon machine images (AMIs) of the instances for backup and creating clone instances.
* Setting up databases in AWS using RDS, storage using S3 buckets and configuring instance backup to S3 bucket.
* Implemented AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups and Cloud Formation Templates.
* Configured Elastic Load Balancers with EC2 Auto scaling groups.
* Web/Application Servers Apache, Apache Tomcat

**Incident Management / Problem Management / Change Management**

* Ensuring that the goals of the Incident Management process are achieved; restoring normal service as soon as possible based on customer perspective and within defined [SLA](http://www.itframeworks.org/wiki/SLA); detecting, logging, categorising and prioritising incidents; providing initial Incident Support.
* Closing incidents after verification from users; defining and planning separate procedures for major incidents; ensuring adherence to [SLA](http://www.itframeworks.org/wiki/SLA) and priority based management.
* Resolving problems & issues within set timelines thereby developing the Knowledge Base; ensuring that the issue does not happen again.

**Technical Skills Set**

* OS Installation: Installation & configuration of Red Hat Linux OS,CentOS,SUSELinux,Oracle Linux,Solaris..etc
* User Administration: Adding a New User Account, Modifying/Deleting User Account, Locking and Unlocking user accounts.
* File System Management: Managing partition, Making File System, Format file system using ext4, Mount New file system, Un-mount file system.
* LVM: Extend/Reduce the size of logical volume.
* Software Installation Methods: YUM (Server/Client Side Configuration), RPM (Red Hat Package Manager)
* Job Scheduling: Building simple RPM, Job scheduling for users using Crontab.
* Configuring a system to provide networking services, including HTTP/HTTPS, FTP, NFS, SMB, SMTP and SSH.
* Knowledge on Clusters
* **Ticketing Tools**- service now portal
* **Platform Known**- Windows 10 ,7, XP, 7,8, Server 2k8, Linux,Solaris.
* AWS EC2, Elastic Load-balancers, Elastic Container Service (Docker Containers), S3, Elastic Beanstalk, Cloud Front, RDS, VPC, Route53, Cloud Watch, Cloud Trail, Cloud Formation, IAM, RDS, AMI, SNS,
* Version Control GIT
* DevOps Tools Jenkins, Docker, Maven
* Operating System : Linux
* AWS Console
* Monitoring Nagios
* Configuration Management Ansible
* CI/CD Tools Jenknins

**Certifications**

* **AZ-103: Microsoft Azure Administrator**
* **AMAZON AWS Certified Solution Architect-Associate**
* **MCSE (Microsoft Certified Systems Engineer)**

**Scholastics**

* B.E (Comp science & engineer) from Vidhya Vardhaka College of engineering college, VTU University,.
* Diploma (Comp science & engineer) Govt Polytechnic College, 2012 passed out
* SSLC shushma high school Yaragamaballi, KSEEB 2008 passed out

**Personal Dossier**

Father Name : Mahesha M

Date of Birth : 30.08.1992

Marital status : Single

Present Address : No 12 1st main Krishna layout Nyanappanahalli Main road,

Devarachikkanahalli bangalore-560076

Permanent Address : Yaragamballi V&P Yalandure TQ chamarajanagar Dt.

Karnataka – 571441.

Languages Known : Kannada, English, (Read, write & speak)