**P.KRISHNAIAH**

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# AWS Cloud Engineer

## AWS Cloud Engineer – Mindtree Limited, Pune.

## ➢ 2+ Years of experience in AWS Cloud Computing services such as S3, EC2, EBS, RDS, CloudWatch, Route53.  ➢ Having Good experience in support to dial-up clients on daily basis and assistance to  system's users.

# Experience:

**Work location: Mindtree Limited, Pune.**

**ROLE: AWS Admin**

**January 2015 to present**

# ROLES AND RESPONSIBILITIES:

• Designed an Architectural Diagram for different applications before migrating into **Amazon Cloud** for flexible, cost-effective, reliable, scalable, high-performance and secured.   
• As a passionate advocate of AWS, I also designed, built, and deployed a multitude applications utilizing almost all of the **AWS** **stack** (Including **EC2, R53, S3, RDS, SQS, IAM, SNS,** **VPC, VPN, ELB, Cloudfront, Elastic cache and Cloud search),** focusing on high availability, fault tolerance, and autoscaling.

• Expertise level knowledge of Amazon **EC2**, Amazon **S3, Route 53, Amazon RDS, Amazon, Elastic Load Balancing, Route53 and CloudWatch.**• Build servers using AWS: Importing volumes, launching **EC2**, **RDS**, creating security groups, auto-scaling, load balancers (**ELBs**) in the defined virtual private connection.   
• Creating new **EBS** volumes and attaching same to **EC2** instance when needed.   
• Backing up the **EC2** instances volumes by creating a snapshots and saving them in **S3** buckets for **Disaster** **Recovery** (DR).  
• Taking instance backups as Amazon Machine Image (**AMI**) and launching these when we need similar servers.   
• Maintaining and upgrading the **EC2** instances according to the requirements.   
• Migrating an existing on-premises application to AWS.   
• **EBS** Volumes, **EIPs**, **Snapshots**, **AMI's**. Creating **AMI** images from existing instances and copy them to different regions / availability zones.

• Uploading data, Snapshots and **EBS** volumes in **S3** storage, while creating **EC2** Instance.   
• Adding bootstrap scripts for **EC2** instances while launching.   
• Uploading data from **EC2** to **S3** using awscli commands and cornjobs.   
• Assigning roles to **EC2** instances to access/store data from other AWS services like **S3**, **Cloudwatch** etc   
• **ELB** - Creating Load balance for **EC2** Instances within in **VPC**, Adding instances to make online services highly available.   
• Managing load and instance failures through autoscaling and launch configuration.   
• Managing DNS names and Alias record in **Route53** to catch up load balancer   
• creating routing policies to manage load on load balancers.   
• Handling multiple requests in **IAM** roles like creating users, groups and roles and add policies.   
• creating / modifying policies according to users access requirement.   
• **S3** - working with **S3** to Create the buckets to store objects   
• changing permissions on buckets/objects.   
• enabling logging and events on buckets to monitor bucket performance   
• Managing cost on **S3** buckets by using Standard, **S3** infrequent Access and reduced redundancy storage.   
• implementing lifecycle management to send data **Glacier**/delete   
• implementing **CloudFront** to access objects from edge locations also to reduce load on **EC2** instances.   
• **VPC** - Creating Instances in **VPC**, Assigning subnets and **Elastic** **IPs** to get network, Creating Nat Gateways using Elastic IP. Creating Internet Gateway, Route Tables for subnets.   
• Launching **NAT** instance within VPC to provide internet to database/secure instances.   
• monitoring AWS services **EC2, S3,** **RDS** etc... through cloudwatch.   
• Expertise in handling multiple **RDS** (Relation Database Service) instances. Which includes migration of Production Databases from non- cloud.  Premises environment to cloud.   
• Provisioning **RDS** instances such as MySQL, SQL Server, and Oracle database.   
• Enabling automated backups and Multi-AZ to improve database performance on **RDS**.   
• creating and deploying snapshots as part of restoration process or to migrate databases from one region to another.   
• enabling Read Replicas as to redirect user read request are more.   
• importing and exporting data from native servers to AWS cloud.   
• consolidating AWS console with **VMware** console.

# EDUCATION DETAILS

**B.Tech** in **Electronics & Communication Engineering** from **JNIT** engineering college, **JNTU** University, **Hyderabad**.

# TECHNICAL SKILLS

Cloud Services: Amazon Web Services (AWS)

Database: Oracle, DB2, SQL, MySQL, NoSQL, MongoDB.

Networking Tools: FTP, HTTP, HTTPS, TCP, CDN, and DNS.

Operating Systems: Linux, WINDOWS.

Web Technologies: HTML, XML, JSON.

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