

## AWS Cloud

Rama Rao Trovagunta  
AWS Cloud Engineer

Mobile : +91 7207390818  
Email : [ramut2266@gmail.com](mailto:ramut2266@gmail.com)

## Professional Summary

- Having 3+ years of Experience in the IT industry which expertise in the areas of **AWS Cloud Engineer**.
- Experience creating multiple VPC's and public, private subnets as per requirements and distributed them as groups into various availability zones of VPC.
- Responsible for designing, implementing and supporting cloud based infrastructure and its solutions.
- Used security groups, network ACL's, internet gateways and route tables to ensure a secure zone for organization in AWS public cloud.
- Created and configured elastic load balancers and auto scaling groups to distribute traffic and to have a cost efficient, fault tolerant and highly available environment.
- Created S3 buckets in AWS environment to store files, sometimes which are required to server static content for web applications.
- Designed multiple VPC's and public/private subnets with required number of IP's using **CIDR blocks, Route Tables, Security groups and Elastic Load Balancer**.
- Worked with **AWS IAM** for granular permissions to specific AWS Users, Groups and Roles by creating IAM policies, Automated AWS deployment and configuration tasks using Lambda.
- Ability to work under minimal supervision and guidance.
- Having good knowledge of IAAS.
- Good knowledge with **kubernetes**
- Good Knowledge with **Server, Storage Migrations**
- Having good experience with Blue green deployments on Prod environment

### Educational Qualification:

#### Graduation:

- B.Tech from Jntuk university in 2018

### Technical Skills:

#### AWS Services :

EC2, S3, ELB, Auto Scaling Groups,  
Glacier, EBS, CloudFormation, CloudFront,  
RDS, VPC, Route 53, CloudWatch, Cloud Trail, IAM, DynamoDB, SNS,  
SQS, Lambda, Kubernetes, Jira, BitBucket, Jenkins.

### Professional Experience

- Working as an AWS Cloud Engineer at **MacTec IT Solutions** since **April 2019 to Till Date**.

#### Project in detail:

##### Project # 1:

**Project** : eCrayon  
**Role** : AWS Cloud Engineer

#### Roles and Responsibilities:

Expertise in Amazon Web Services (AWS) environment and good knowledge of AWS services like Elastic Compute Cloud (EC2), Elastic Load-balancers, S3, CloudFront, Elastic File system, RDS, VPC, Route53, Cloud Watch, Cloud Trail, IAM.

- 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.
- Configured S3 Buckets for EBS backed Snapshots, versioning for data backups and setting up lifecycle management policies.

- Using Cloud Watch service, created alarms for monitoring the EC2 server's performance like CPU Utilization, disk usage etc.
- Implemented Auto Scaling for high application availability.
- Configured Elastic load balancers for incoming loads.
- Configuring Virtual Private Cloud (VPC) with networking of subnets containing servers.
- Created elastic load-balancers (ELB) for different applications.
- Utilized Amazon Route53 to manage DNS zones, assign public DNS names to elastic load balancers IP's
- Used Auto-scaling and Elastic Load Balancer features on EC2 instances to serve the end users using applications during unexpected traffic/demand.
- Configured S3 Buckets for EBS backed Snapshots, versioning for data backups and setting up lifecycle management policies.
- Created and worked on Elastic Block Store and Instance Store Volumes.
- Configured NAT instance for internal servers within the private subnets thereby not exposing to the public internet.
- Setting up private networks and subnetworks 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.
- Involved in production deployments with Green/Blue techniques
- Daily I use to monitor the environments (Test, Dev and Production) using Dynatrace monitoring tool and also I have good exposure with CloudWatch.

### **Technical Skills-**

<i>Version Control Tools</i>	<i>Bit-Bucket</i>
<i>Continuous Integration</i>	<i>Jenkins</i>
<i>Operating System</i>	<i>Linux, Windows, Ubuntu &amp; CentOS</i>
<i>Cloud</i>	<i>AWS</i>
<i>Monitoring</i>	<i>Dynatrace</i>
<i>Load Balance</i>	<i>ELB</i>
<i>Application Servers</i>	<i>Apache</i>