**Name: GOPI KRISHNA V**

**Phone**: +91 9398261137

**Gmail**: gopikrishnavallabhaneni7@gmail.com

Role: **Cloud Engineer**



### Career Objective

I am looking for a challenging position in an esteemed organization where my past experience, technical and analytical skills are utilized for continuous growth and advancement of the company.

### Technical Summary

* Experience in Maintenance of source control management systems GIT and GitHub
* Experience in involving various production deployment and handling implementation plan review.
* Experience in implementing and adapting to Build and Release Management Process.
* Proficient in AWS services like **VPC, EC2, S3, ELB, Autoscaling Groups (ASG), EBS, RDS, IAM, CloudFormation, Route 53, CloudWatch**
* Experienced in creating multiple VPC’s and public, private subnets as per requirement and distributed them as groups into various availability zones of the VPC.
* Created **NAT gateways** and instances to allow communication from the private instances to the internet through bastion hosts.
* Used security groups, network ACL’s, internet gateways and route tables to ensure a secure zone for organization in **AWS** public cloud.
* Configured **S3 buckets** with various life cycle policies to archive the infrequently accessed data to storage classes based on requirement.
* Managing Amazon Web Services (**AWS**) infrastructure with automation and orchestration tools such as **Terraform**
* Proficient in AWS services like **VPC, EC2, S3, ELB, Autoscaling Groups (ASG), EBS, RDS, IAM, CloudFormation, Route 53, CloudWatch, CloudFront, CloudTrail.**
* Experienced in creating multiple VPC’s and public, private subnets as per requirement and distributed them as groups into various availability zones of the VPC.
* Created **NAT gateways** and instances to allow communication from the private instances to the internet through bastion hosts.
* Used security groups, network ACL’s, internet gateways and route tables to ensure a secure zone for organization in AWS public cloud.
* Launched and configured elastic load balancers and auto scaling groups to distribute the traffic and to have a cost efficient, fault tolerant and highly available environment.
* Created **S3 buckets** in the AWS environment to store files, sometimes which are required to serve static content for a web application.
* Configured S3 buckets with various life cycle policies to archive the infrequently accessed data to storage classes based on requirement.
* Possess good knowledge in creating and launching **EC2 instances using AMI’s of Linux, Ubuntu,** RHEL, and Windows and wrote shell scripts to bootstrap instance.
* Used IAM for creating roles, users, groups and also implemented MFA to provide additional security to AWS account and its resources.
* Doveloped cloud formation templates in json to create custom **VPC, subnets, NAT** to ensure successful deployment of web applications.
* Implemented domain name service (DNS) through route 53 to have highly available and scalable applications.
* Maintained the monitoring and alerting of production and corporate servers using Cloud Watch service.
* Created **EBS volumes** for storing application files for use with EC2 instances whenever they are mounted to them.
* Experienced in creating RDS instances to serve data through servers for responding to requests.
* Created snapshots to take backups of the volumes and also images to store launch configurations of the EC2 instances.
* Written Templates for AWS infrastructure as a code using Terraform to build staging and production environments.
* Creating CI/CD DevOps Build and Deployment Automation – using GIT, GitHub, Maven, Nexus, SonarQube, and Jenkins Pipeline in AWS Cloud environment.
* Conceptualised new infrastructure on AWS including instance creation to deploying environment.
* Having good working experience on LINUX and Windows platform.
* Having good knowledge on Docker Containerization and Docker files.
* Experience in configuring and updating the servers using configuration management tool Ansible and Writing Playbooks and Roles.
* Good experience with helm charts and docker Containers.
* Having good experience in Terraform and provisioning with Cloud for infrastructure.
* Customer focused, organized, detail oriented with the ability to meet deadlines.
* Managing the services within AWS and global IT infrastructure.
* Experienced in creating RDS instances to serve data through servers for responding to requests.
* Created snapshots to take backups of the volumes and also images to store launch configurations of the EC2 instances.
* Developed Templates for AWS infrastructure as a code using Terraform to build staging and production environments.

### Technical Skills

EC2, VPC, ELB, S3, EBS, RDS, Route53, ELB, Cloud Watch, CloudFormation, AWS Auto Scaling, Lambda), GIT, SQL, ServiceNow, AWS CLI, Unix/Linux, Jenkins, Terraform, Jenkins

### Educational Qualification

B. TECH (ELECTRICAL & ELECTRONICS ENGINEERING) from KKR AND KSR INSTITUTE OF TECHNOLOGY AND SCIENCES in 2018 with 65%

Project 1: August 2019 to till date

**Company: Valsyne Technologies Private Limited , Bangalore**

**Role: Cloud Engineer**

**Responsibilities:**

* Knowledge on creating custom VPCs.
* Shutting down unused instances as per the client requirement.
* Resizing the disk spaces as per the requirement.
* Changing the instances types as per the client requirement.
* Working on customer raised requests.
* Working on Aurora Database for data validations.
* Monitoring Aurora database clusters (Reader node and Writer node) using CloudWatch tool and RDS dashboards.
* Good exposure on historian data migration to cloud environment S3.
* Acknowledge CloudWatch alarms and need to work on those alerts manually.
* Restarting the services if incase service got failed on load balancers (any one of the node or more nodes).
* Integrated Amazon Cloud Watch with Amazon EC2 instances for monitoring the log files and track metrics.
* Created AWS S3 buckets, performed folder management in each bucket, managed cloud trail logs and objects within each bucket.
* Designed Highly Available Environments using Auto-Scaling, Load Balancers, and SQS.
* Defined branching, labeling, and merge strategies for all applications in Git.
* Configured Elastic Load Balancers with EC2 Auto Scaling groups
* Configured **S3 to host Static Web content**.
* Experienced in S3 Versioning and lifecycle policies to and backup files and archive files in Glacier
* Created monitors, alarms and notifications for EC2 hosts using Cloud Watch
* Experienced in Performance Tuning and Query Optimization in AWS Redshift.
* Ability to design application on AWS taking advantage of Disaster recovery.
* Configured AWS Identity Access Management **(IAM)** Group and users for improved login authentication.
* Created nightly AMIs for mission critical production servers as backups.
* Configured and maintained the monitoring and alerting of production and corporate servers/storage using Cloud Watch.
* Migrated applications from internal data center to AWS.
* Possess good knowledge in creating and launching **EC2 instances using AMI’s of Linux, Ubuntu,** RHEL, and Windows and wrote shell scripts to bootstrap instance.
* Used IAM for creating roles, users, groups and also implemented MFA to provide additional security to AWS account and its resources.
* Written cloud formation templates in json to create custom **VPC, subnets, NAT** to ensure successful deployment of web applications.
* Experience in configuring and updating the servers using configuration management tool Ansible and Writing Playbooks and Roles.
* good experience with helm charts and docker Containers.
* Having good experience in **Terraform** and provisioning with Cloud for infrastructure.
* Customer focused, organized, detail oriented with the ability to meet deadlines.
* Managing the services within AWS and global IT infrastructure.
* Creating **CI/CD DevOps Build** and Deployment Automation – using GIT, GitHub, Maven, **Nexus**, SonarQube, and **Jenkins Pipeline** in AWS Cloud environment.
* Worked on creating new infrastructure on AWS including instance creation to deploying environment.
* Created AWS S3 buckets, performed folder management in each bucket, managed cloud trail logs and objects within each bucket.
* Created Highly Available Environments using Auto-Scaling, Load Balancers, and SQS.
* Defined branching, labeling, and merge strategies for all applications in Git.
* Configured Elastic Load Balancers with EC2 Auto Scaling groups
* Configured **S3 to host Static Web content**.
* Experienced in S3 Versioning and lifecycle policies to and backup files and archive files in Glacier
* Created monitors, alarms and notifications for EC2 hosts using Cloud Watch
* Ability to design application on AWS taking advantage of Disaster recovery.
* Configured AWS Identity Access Management **(IAM)** Group and users for improved login authentication.
* Created nightly AMIs for mission critical production servers as backups.
* Configured and maintained the monitoring and alerting of production and corporate servers/storage using Cloud Watch.
* Possess good knowledge in creating and launching **EC2 instances using AMI’s of Linux, Ubuntu,** RHEL, and Windows and wrote shell scripts to bootstrap instance.

Thanks,

GOPI KRISHNA V