Girish H
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Professional Summary:

Total 5.2 Years of experience. Relevant experience as DevOps and AWS Engineer is 4 years. Understands and manages the space between operations and development to quickly deliver code to customers. Has experience with the Cloud, as well as DevOps automation development for Linux systems. Seeking a position in AWS/ DevOps to enhance my technical skills. Well organized and committed to work, I'm keen on staying up to date with the changing trend of the technology and obtain new skills. I look forward to contributing my knowledge to the venture and become a part of mutual growth.

Technical Skills:

- Cloud: **Amazon Web Services(AWS)**
- Container Services: **Docker, Kubernetes**
- Configure Management : **Ansible**
- CI/CD : **Jenkins**
- SCM: **GIT**
- Storage: **S3, EBS, S3 Glacier.**
- Networking and Content Delivery: **VPC, Route53, CloudFront**.
- IAC Tool: Terraform
- Security and identity: **IAM**
- Server Operating Systems**: Linux, Ubuntu**

- Web Server: **Apache**

- Load Balancer: **AWS Load balancer (ELB).**

- Scripting language: **Shell scripting (Bash)**

- Monitoring Tools : **Grafana, Prometheus**

Professional Profile:

❖ Worked on **Kubernetes Cluster** to manage containers and deployments

❖ Good Experience in **Managing PODs** and performing Rolling Deployments.

❖ Manage production application deployments in Kubernetes cluster using **Kubectl**.

❖ Responsible for developing manifest files and creating helm charts for application deployments.

❖ Writing manifest file definitions for different K8s components like **configmaps, secrets** and mounting these resources as volume mount and environment variables for application.

❖ Responsible for kubernetes services like **ClusterIP, NodePort and LoadBalancer** exposure with respect to application.

❖ Worked on different Kubernetes deployment **strategies like Deployment, Blue-green and Canary.**

❖ Worked on **Ingress** to secure our application.

❖ Managing the K8 cluster and application pods using **Prometheus**.

❖ **Integrated Promotheus with Grafana** for better UI view with different dashboards.

❖ An effective communicator with strong team management, analytical and problem-solving.

❖ Responsible for writing **Dockerfile** for different requirements.

❖ Worked on creating Docker images using Dockerfile and running container.

❖ Responsible for **maintaining Docker images in jfrog registry and Docker Hub.**

❖ Responsible for creating **Docker container** using images.

❖ Created different types of **docker volume** and attached to container to store container data.

❖ Created different types of **docker networks** to secure containers.

❖ Integrated **Portainer** for managing and monitoring all the containers and its components.

❖ Analysing container **application logs**, identifying the issues and coordinating with the concern team to fix the issues.

❖ Worked on different AWS services like EC2, AMI, Snapshot, EBS, ELB, EFS, Auto Scalling, S3, VPC, Route 53, Lambda, IAM, Code pipeline, Code deploy, Code commit, EKS, Cloud trail, Cloud Watch, SNS.

❖ Configuring EC2 Instances and maintaining storages for Instances.

❖ Administering AWS resources by creating IAM policies for different users, groups and roles.

❖ Experience in deploying EC2 instances based on the requirements.

❖ Good knowledge in configuring VPCs and Subnets as per the requirements.

❖ Building and creating AMIs in AWS cloud on daily basis for production environments Disaster recovery.

❖ Worked on AWS Cloud Platform and its features which include S3, EBS, EFS for storage.

❖ Using AWS CLI we perform few automated process like uploading application logs to S3 bucket, and created EC2 instances by using AWS CLI templates.

❖ Configuring ELB and Auto scaling to handle the application traffic to the environments.

❖ Implemented the process like stopping and starting the development instances using Lambda scripts .

❖ Written multiple ansible playbooks to deploy application to multiple instances.

❖ Created multiple ansible playbooks to manage infrastructure.

❖ Created ansible roles for many requirements like EC2 instances creation, Application configuration, deployments.

❖ Integrated Jenkins Pipeline with Apache Maven, Node, and Sonar to automate Continuous Integrations for Build.

❖ Integrated Jenkins Pipelines for Docker container Deployments.

❖ Followed best practices on Software Development Life Cycle and use cases of the Automation tools using Ansible and integration with Docker, Jenkins, Tomcat, and Maven.

❖ Written Jenkins Pipeline code using Groovy to integrate and automate the build & deployment tools for application deployments.

❖ Experience on Continuous Integration Jenkins, performed end to end automation for build and deployments.

Professional Experience:

Organization : BRIDGELINE DIGITAL PVT LTD **(JULY 2019 to APRIL 2022)**
Project : Telecom Domain (5G/4G**)**
Organization : ENERGYWIN TECHNOLOGIES PVT LTD **(APRIL 2022 to DEC 2022)**
Project : Mobile application
Organization : METALLCO SOFTECH PVT LTD **(JAN 2023 to PRESENT)**

Responsibilities:

➢ Server related task like managed EC2 instances, creating AMI, snapshots, changing instance type, Key Pairs, creating new instance from AMI.

➢ Storage related task like disk addition, increase & decrease of existing disk using EBS, have worked on S3 bucket to store data.

➢ Network related task like setup of VPC, subnet, route table, Security Groups, Elastic IP.

➢ Ability to Deploy, Manage and Operate scalable, highly available and fault-tolerant systems on AWS Cloud.

➢ Hands on experience in Provisioning and Managing EC2 instances using Auto Scaling terminology. Bootstrapping EC2 instances while launching.

➢ Creating and Managing AMI, Snapshots, Volumes, Upgrade, downgrade AWS resources (CPU, Memory, EBS).

- Increasing EBS backed volume storage capacity when the root volume is full using AWS EBS Volume feature.
- Created S3 backups using versioning enable and moved objects to Amazon Glacier for archiving purpose.
- Experience on AWS CLI tool to automate AWS resources particularly to access S3 bucket and manage its objects.
- Implemented Ansible to manage all existing servers and automate the build / configuration of new instances.
- Utilizing Cloud Watch to monitor resources such as EC2, CPU, memory, Amazon RDS DB services, Dynamo DB tables, EBS volumes to set alarms for notification or automated actions and to monitor logs for a better understanding and operation of the system.
- Hands on experience in Creating VPC, Subnets, Route tables, Internet Gateways, NAT, NACL etc. For new environment.
- Experience on creating ELBs, Launch Configuration and Auto Scaling Groups, Requesting SSL certificates in Certificate Manager (ACM).
- Hands on experience in Configuration Management tool Ansible, have written Ansible Playbooks in yml/ yaml script to configure servers & deploying applications
- Configured and maintained Jenkins to implement the CI/CD process and Integrated the tool to schedule the builds and automated the deployment on the application servers using various plugins in Jenkins.

Education:

- B.E from VTU, Belgaum

Declaration:

I hereby declare that the above furnished information is true to the best of my knowledge.

Girish H   **Place:** Bangalore