

**Name:** Samrat Amareshwar Kasarla  
**Current Designation:** DevOps Engineer  
**Address:** Mahalunge, Pune-410501

**Email:** samratkasarla@outlook.com  
**M.no:** 7507200335

## Objectives:

Seeking a position as a DevOps Engineer in an IT environment where I can use my excellent skills and knowledge of automation work abilities in developing and managing software development lifecycle and be beneficial for my company.

## Work Experience:

**Codengine Technologies - DevOps Engineer** **Oct 2022 - Present**

- I have set-up webservers with nginx. Used it as a reverse-proxy server and also load balanced with Nginx., also applied SSL on domains.
- Automated the node.js and angular application with the help of Gitlab cicd pipeline. This includes setting up of runners on the server to run the jobs.
- Worked on the Dockerfiles for node.js and angular application.
- I have Set-up master-master replication of Mysql.

**Cloudblitz Technologies - DevOps Engineer** **Dec 2021 - Oct 2022**

- Automated CI/CD Jenkins pipeline with the stages involves Pull stage, Build stage, Test stage and Deploy using various tools and plugins.
- As a version control central Repository work with Github and automated it with Jenkins pipeline using Webhook.
- To build the code work with the tool Maven and to Integrate the Testing phase use the Sonarqube tool and deploy it to the Tomcat server.
- Used Ansible as a configuration management tool to automate repetitive tasks, quickly deploys the critical application, and proactively manage change on host servers.
- Experience with container-based deployments using Docker, working with Docker images, Docker hub, ECR and Docker registries.
- Actively worked on Docker and deploying and maintainin microservices in Dev environment using EKS.
- Created manifest files to deploy microservices on aws EKS cluster, Worked on Dockerfile for the building images for microservices.
- Used DOCKER for containerisation, creating containers, push and pull of images from docker account, saving customized images.
- Create and maintain highly scalable and fault-tolerant multi-tier environments across multiple availability zones using Terraform.
- Used Terraform to create infrastructure like launch instances, created security group, created vpc, and s3 bucket.
- Using shell script installs and configures the various servers like tomcat, apache web servers.

**Hexaware Technologies - Executive**

**Sep 2020 - Dec 2021**

- I have created multiple buckets and hosted static websites on buckets, applied versioning for recovering from any accidental overwrites and deletion and also created a lifecycle policy to reduce the cost of the storage.
- Configure the multi-tier AWS architecture and perform the various operations on each layer, creating an app server, web server, and Database.
- Migrates database from on-prem. servers to the RDS, also Migrates database from EC2 to RDS.

- Creating and launching EC2 instances using different AMIs of ubuntu, centos 7, and Amazon Linux and hosted a static website with the help of HTML. launched instances using templates and images for the same configuration of multiple instances.
- Created Snapshots and Amazon Machine Images (AMI) of EC2 Instance for snapshots for creating a clone and backup purpose.
- Perform Autoscaling with Load-balancer operation to maintain highly scalability and availability
- Created security groups to allow required traffic on given port no, Created VPC, Created subnets to send traffic in different availability zones. created Route table to determine where network traffic from your subnet or gateway is directed
- Establish a peering connection for allowing traffic between VPCs that are in different regions and different accounts.
- I have routed the traffic on existing domain to Aws resource with the help of route53.
- Hands-on on creating and managing databases using RDS service.
- Created alarms to get notifications when the threshold is breached and monitored logs and metrics in Cloudwatch.

## **Key skills:**

- Setting up of webservers using Nginx as reverse-proxy and load-balancer
- Used DOCKER for containerisation and KUBERNETES for creating clusters and deploying application.
- Infrastructure management and automating the creation of resources with Terraform
- Have knowledge about Gitlab CI/CD.
- Have knowledge about django-python application.
- Have knowledge of SQL, creating database, listing tables, retrieving
- Have knowledge of Shell scripting and python scripting
- Package managing with YUM and RPM.
- Have knowledge of Crontab job scheduling
- Master-Master Replication of Mysql.

## **Education:**

College: Prof Ram Meghe College of Technology and Research

Branch: Mechanical Engineering (2013-2017)

Aggregate: 60%

## **Personal details:**

Name: Samrat Amareshwar Kasarla

DOB: 26/11/1995

Marital Status: Unmarried