

# MAYUR DHOTRE

## DevOps Engineer

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### Summary:

DevOps Engineer with expertise in cloud infrastructure management and automation. Proficient in AWS, Docker, Terraform, and Jenkins, with a strong focus on CI/CD pipeline optimization, Microservices, and scalable deployment solutions. Skilled in managing Linux environments and supporting high-availability applications through efficient use of cloud technologies and infrastructure as code.

### Work Experience:

#### Hisan Labs Pvt. Ltd.

#### DevOps Engineer (Intern) | Dec 2023 – Present

#### Roles & Responsibilities:

- Experienced in using **CentOS**, **Redhat**, and **Ubuntu** distributions of the Linux operating System for security, support, and stability.
- Used Linux commands to create user and group, installed packages with using “**apt-get**”, “**yum**”, Also created **cronjobs** to perform daily tasks on time.
- Automated manual tasks through the creation of **shell scripts**, streamlining operational Workflows.
- Successfully worked with editors to write scripts to automate the task and managed file systems, used **curl** and **wget** to download files from the URL to the current directory and save locally.
- Experience working on AWS and its services like **IAM**, **VPC**, **EC2**, **EBS**, **S3**, **ELB**, **Auto Scaling**, **Route53**, **CloudWatch**, **SNS** to create custom-sized VPCs, subnets, NAT, and security groups.
- Worked with **AWS services** like IAM Service to create users and provide roles and permissions for better network performance. Also implemented MFA to provide additional security.
- Used S3 services to host static websites and created S3 buckets to store data with low storage costs.
- Efficiently used EC2 Service to install **DevOps methodology** tools like **Git**, **GitHub**, **Docker**, **Kubernetes**, **Terraform**, and **Jenkins** for CI/CD pipeline.
- Defined **AWS Security groups** which acted as virtual firewalls that controlled the traffic allowed reaching one or more AWS EC2 instances.
- Proficiently created **CloudWatch** dashboards, used metrics by adding CPU utilization, memory usage, and set alarms to respond quickly.
- Created Classic **Load Balancer** and Application Load Balancer to distribute incoming traffic to another server, configured SSL certificates, and managed scalable systems.
- Recovered lost **key-pair** of EC2 instances using snapshots of the volume.
- Expert in using **Route 53** for providing domain name and routing.
- Used **EFS** service for EC2 instance data sharing across different regions.
- Worked on branching strategies to create **Dev**, **Test**, **Deploy**, and **Production**, allowing specific permission to these branches. Also created feature and **hotfix branches** and merged them to each other.

- Expertly built images using **Docker** files and created containers for the deployment of applications using **ECS** and **ECR** services.
- Write **Kubernetes deployment** files and maintain clusters to manage containerized applications, Set up Kubernetes clusters, including **nodes**, **namespaces**, and **pods**, Monitor and troubleshoot Kubernetes deployments to ensure high availability
- Develop Terraform scripts to manage cloud infrastructure as code, provisioning AWS resources like EKS, RDS, and VPC
- Designed and optimize **Jenkins pipelines** for automating the build, test, and deployment process. Responsible for writing pipeline scripts and integrating them with Docker and Kubernetes.
- Configured and manage **Maven** to automate project builds, Integrate Maven with CI/CD pipelines to ensure automated build and testing.
- Set up and maintain **SonarQube** for continuous code quality checks.

## Key Skills

- |                                    |                                       |
|------------------------------------|---------------------------------------|
| • <b>Version Control:</b>          | Git & GitHub                          |
| • <b>Containerization:</b>         | Docker                                |
| • <b>Orchestration:</b>            | Kubernetes                            |
| • <b>CI/CD Tools:</b>              | Jenkins                               |
| • <b>Infrastructure as Code:</b>   | Terraform                             |
| • <b>Cloud Platforms:</b>          | AWS (EC2, S3, VPC, IAM, Route53, RDS) |
| • <b>Monitoring &amp; Logging:</b> | Grafana, Prometheus                   |
| • <b>Operating Systems:</b>        | CentOS, Ubuntu, Amazon Linux          |
| • <b>Others:</b>                   | Python, Mysql, Maven, SonarQube       |

## Education

### **Bachelors of Computer Engineer**

Indira College of Engineering & Management (Pune, Maharashtra)  
(2019-2023)

## Personal Details:

<b>Date of Birth:</b>	15 Sep 2002
<b>Marital status:</b>	Single
<b>Language:</b>	English, Hindi, Marathi