

# Mayur Dhotre

## DevOps Engineer

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Portfolio: <https://cloudchampmayur.cloud>

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**OBJECTIVE:** Detail-oriented and results-driven DevOps Engineer with hands-on experience in cloud services, automation, and CI/CD pipelines. Seeking to leverage expertise in Docker, Kubernetes, and AWS to optimize workflows and enhance system reliability in a dynamic team environment.

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### WORK EXPERIENCE:

#### DevOps Intern @ Hisan Labs (pune)

Nov-2023 to Present

*Hisan Labs is a technology company specializing in providing innovative IT solutions, including cloud services, application development, and system integration.*

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### KEY SKILLS:

- **Version Control:** Git, GitHub
  - **Containerization:** Docker
  - **Orchestration:** Kubernetes
  - **CI/CD Tools:** Jenkins
  - **Infrastructure as Code:** Terraform
  - **Cloud Platforms:** AWS (EC2, S3, VPC, IAM, Route53, RDS)
  - **Monitoring & Logging:** Grafana, Prometheus
  - **Operating Systems:** CentOS, Ubuntu, Amazon Linux
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### ROLES & RESPONSIBILITIES:

#### DevOps Methodology:

- **Git & Github:**
  - Work closely with developers, testers, and system administrators to streamline workflows and manage pull requests. Use multiple environments (Dev, Test, UAT, and Production) In Deployment Process.
- **Containerization With Docker:**
  - Create Dockerfiles for containerizing applications and push over Docker Registry to ensuring efficient and portable deployments process
  - Run Docker images and managed containerized applications, improving deployment efficiency and consistency across development and production environments.

- **Kubernetes:**
  - 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.
  - Manage The external access using services like load balancer, nodeport & clusterIP along with Ingress for controlling incoming traffic.
- **Terraform:**
  - Develop Terraform scripts to manage cloud infrastructure as code, provisioning AWS resources like EKS, RDS, and VPC.
- **Jenkins:**
  - Design and optimize Jenkins pipelines for automating the build, test, and deployment process. Responsible for writing pipeline scripts and integrating them with Docker and Kubernetes, Monitor and troubleshoot Jenkins jobs to ensure smooth operation.
- **Maven:**
  - Configure and manage Maven to automate project builds, Integrate Maven with CI/CD pipelines to ensure automated build and testing.
- **SonarQube:**
  - Set up and maintain SonarQube for continuous code quality checks, Integrate SonarQube with CI/CD pipelines to enforce code quality standards, Analyze code quality reports and work with developers to fix issues.
- **Continuous Integration/Continuous Deployment (CI/CD):**
  - Designed and optimized Jenkins pipelines for automating build, test, and deployment processes, resulting in a 40% reduction in deployment errors and faster release cycles.

## Aws Cloud:

- **Cloud Infrastructure Management**
  - Design, deploy, and manage scalable and secure AWS cloud infrastructure to support application workloads.
- **Compute Resource Management:**
  - Provision and manage EC2 instances to support application deployment, ensuring optimal performance and cost efficiency through instance sizing and auto-scaling configurations.
- **Storage Management:**
  - Configure and manage S3 buckets for data storage, including setting up lifecycle policies, versioning, and access control to ensure data security and availability.
- **Networking Configuration:**
  - Design and configure VPCs with public and private subnets, implementing network security measures to protect cloud resources.
- **Security and Compliance:**
  - Manage IAM roles, policies, and security groups to enforce security best practices and ensure compliance with organizational standards.

## Linux System Administration:

- **System Administration:**
    - Configured and maintained user accounts, groups, and permissions to enforce security policies and access controls.
  - **Performance Monitoring and Optimization:**
    - Monitored system performance using tools like top, htop, and netstat, identifying and resolving performance bottlenecks to enhance system efficiency.
  - **Security Management:**
    - Secured Linux systems by implementing firewalls , SELinux policies, and configuring Sudo privileges to restrict unauthorized access.
  - **Automation and Scripting:**
    - Developed shell scripts to automate routine tasks, such as system monitoring, backups, and log management, reducing manual intervention and errors.
    - Scheduled automated tasks using cron, ensuring timely execution of maintenance scripts and backups.
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## EDUCATION:

- **Bachelor of Computer Engineering** (2019-2023)  
Indira College of Engineering & Management. (Pune, Maharashtra)
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## PERSONAL DETAILS:

- **Date of Birth:** 15 Sep 2002
- **Language:** Marathi, Hindi, English