VISHAKHA PATIL

DevOps Engineer

Email: patil.vishakha@outlook.com **Mobile:** +91 7666030188

Linkedin: www.linkedin.com/in/vishakha-patil-541265293 **Github:** github.com/VishakhaPatil-03

Career Objective

DevOps Engineer with hands-on experience in Linux, AWS, Docker, Git, Jenkins, CI/ CD, Terraform, and Kubernetes. Experienced in working on cloud infrastructure, automation, and deployment pipelines. Passionate about implementing modern DevOps practices and contributing to real-time projects while continuously enhancing technical expertise.

Professional Experince

DevOpsEngineer | Hinsan Labs Pvt.Ltd. **July 2025 - Present**

- Gained **9 months of hands-on experience** in DevOps and AWS Cloud, implementing CI/CD pipelines that reduced manual deployment efforts by 50%.
- **Provisioned and managed AWS infrastructure** (EC2, S3, RDS, VPC, ALB, Auto Scaling, Route 53, CloudWatch, SNS) using Terraform and **CloudFormation** reducing provisioning time by 60%.
- Implemented **Infrastructure as Code (IaC)** with Terraform, automating security groups, IAM roles, networking, and scripts, ensuring 100% **consistent deployments** across environments.
- **Designed and maintained CI/CD pipelines** with Jenkins and GitHub Webhooks, improving deployment speed by 40% and reducing release errors by 30%.
- Built and **containerized applications using Docker**,deployed on **Kubernetes (AWS EKS)** improving scalability and reducing deployment time by 35%.
- **Managed Docker Hub repositories** with version-controlled images, enabling faster rollback during failures by 50%.
- Integrated **security scanning tools** (Trivy, OWASP Dependency-Check) into CI/ CD pipelines, reducing critical vulnerabilities by 45%.
- Implemented **GitOps deployments with Argo CD**, and monitoring solutions using CloudWatch, Prometheus, Grafana, and Datadog improving observability and reducing MTTR by 30%.
- Created **interactive dashboards** and alerts for CPU, memory, disk, Kubernetes metrics, and application health, improving proactive issue detection by 40%.
- Administered **Linux (Ubuntu) production servers**, managing patching, cron jobs, user management, and troubleshooting, improving operational efficiency by 30%.

Technical Skills

- **Cloud Platform:** AWS (EC2, VPC, IAM, S3, RDS, ALB, Auto Scaling, Route 53, CloudWatch, SNS, EBS, EKS, ECR) , GCP, Azure
- **DevOps & CI/CD:** Docker, Kubernetes, AWS EKS
- **Infrastructure as Code:** Terraform, CloudFormation
- **Monitoring & Observability:** Prometheus, Grafana, Datadog, CloudWatch, Node Exporter, Logstash, Elasticsearch, Kibana
- **Security:** SonarQube, Trivy, OWASP Dependency-Check, Docker Scout
- **Operating Systems:** Linux (Ubuntu), Windows

Project

End-to-End CI/CD DevOps Pipeline

- Designed and implemented a secure multi-stage CI/ CD pipeline using **Jenkins** integrating **SonarQube, OWASP Dependency-Check, Trivy,** and **Docker Scout**, reducing manual deployment effort by 50% and improving release security compliance.
- Automated end-to-end Jenkinsfile-driven workflow (Build → Test → Scan → Dockerize → Push → Deploy), cutting release cycle time by 40% and improving rollback efficiency by 50% through version-tagged container images.
- Deployed containerized workloads to **Amazon EKS** using GitOps with **Argo CD**, enabling 100% version-controlled, auditable, and zero-downtime deployments with rolling updates and health probes.
- Implemented Kubernetes best practices including Horizontal Pod Autoscaler (HPA), RBAC policies, namespace isolation, and environment-based manifest management, improving scalability by 35% and maintaining 99.9% application availability.
- Established centralized monitoring and alerting using **Prometheus and Grafana**, creating real-time dashboards and alerts that improved system observability by 40% and reduced MTTR by 30%.

Automated Kubernetes Deployment Using Jenkins

- Designed and implemented a multi-stage CI/ CD workflow using **Jenkins** integrating automated build, test, Docker image creation, and Kubernetes deployment processes to streamline continuous delivery.
- Built and pushed version-tagged container images to **Docker Hub/ Amazon Elastic Container Registry**, improving deployment traceability and rollback efficiency.
- Deployed applications to Kubernetes clusters (including exposure to **Amazon EKS**) using declarative YAML manifests, ensuring consistent and repeatable deployments across environments.
- Configured readiness and liveness probes to enhance application reliability and minimize downtime during rolling updates.

Dockerized Web Application Deployment on AWS EKS

- Containerized web applications using **Docker** and pushed versioned images to **Amazon ECR**, enabling secure and scalable image management.
- Provisioned and configured **Amazon EKS (Kubernetes)** cluster, deploying applications using **Deployment** and **Service (LoadBalancer)** YAML manifests.
- Implemented **Infrastructure as Code (IaC)** and automated cluster access using **AWS CLI, kubectl**, and secure **imagePullSecrets** for private registry authentication.
- Performed **Rolling Updates** and **Zero-Downtime Deployments** using Kubernetes deployment strategies, ensuring high availability and seamless version upgrades (v1 → v2 → v3).
- Executed **Rollback Strategies** using Kubernetes rollout commands to restore stable releases, improving deployment reliability and minimizing production risk.

Education

B.Tech (Computer Science And Engineering) **2022 - 2025**

Dr. Daulatrao Aher College of Engineering Karad, Shivaji University **CGPA - 8.5**

Certification

AWS Certified Cloud Practitioner – Amazon Web Services **Jan-2026**