# HARSHAL WAGHARE

Pune, Maharashtra, India

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## PROFESSIONAL SUMMARY

DevOps Engineer with 1 year of experience in CI/CD automation, cloud infrastructure on AWS, and containerized deployments using Docker and Kubernetes. Skilled in monitoring, troubleshooting production issues, and supporting reliable application releases in collaboration with engineering teams.

## EXPERIENCE

**SSP Technology, Pune**                                          Jan 2025 – **Present**
*Role - DevOps Engineer Trainee*                                    *Pune, Maharashtra*

- Created and maintained Git repositories, managed access control, and followed a clean branching strategy aligned with DEV, TEST, UAT, and PROD environments.
- Managed keys, tokens, and credentials to secure Git operations and CI/CD workflows.
- Set up and maintained Jenkins pipelines, installed required plugins, and automated build & deployment processes.
- Integrated Jenkins with Maven for builds, managed `pom.xml`, and enabled basic code-quality checks using SonarQube.
- Configured webhooks for automated CI/CD triggers and ensured smooth end-to-end execution of pipelines.
- Developed Terraform scripts for provisioning AWS infrastructure (S3, EKS, RDS) using reusable components and secured Terraform state files.
- Built optimized Dockerfiles, managed container images, and pushed them to private registries.
- Created Kubernetes manifests for deployments, services, ingress, and supported scaling using HPA.
- Assisted in managing AWS EKS clusters to ensure reliable deployments, scalability, and availability.
- Configured dashboards and alerts in Datadog for proactive monitoring of applications and infrastructure.
- Responded to incidents, contributed to troubleshooting, and helped ensure minimal downtime.

## TECHNICAL SKILLS

- **Programming & Scripting**: Python, PowerShell (basic), Bash, JavaScript (basic), SQL, Object-Oriented Programming
- **Cloud & DevOps**: AWS, Terraform, Docker, Kubernetes, Jenkins, CI/CD pipelines, Azure (Basics), GCP (Basics)
- **Infrastructure & Systems**: Linux/Unix, Windows Server (basic), IIS (basic configuration), IAM, networking fundamentals, infrastructure automation
- **Monitoring & Reliability**: Datadog, Prometheus, Grafana, log analysis, alerting concepts
- **Version Control & Tools**: Git, GitHub, Jira
- **Databases**: MySQL, PostgreSQL (basic)

## PROFESSIONAL JOB PROJECTS

**E-commerce Platform**
*Domain: E-commerce*

- Supported CI/CD pipelines to automate build and deployment processes under senior guidance.
- Managed Git repositories, including creation, access control, and branch management.
- Configured webhooks to trigger Jenkins pipelines on code changes.
- Built and updated Docker images; assisted in creating multi-stage Dockerfiles for optimized builds.
- Deployed containerized applications to Kubernetes and monitored pod status and logs.

### Airline Industry Application
*Domain: Airline / Aviation*

- Assisted in maintaining CI/CD pipelines for an aviation domain application.
- Worked with Jenkins multibranch pipelines for feature and release workflows.
- Managed Jenkins agents and plugins to support pipeline execution.
- Built Docker images and performed push/pull operations with container registries.
- Supported Kubernetes deployments and monitored pods and application logs.
- Helped manage secrets, tokens, and credentials used in CI/CD workflows.

### CRM Application
*Domain: CRM*

- Supported DevOps activities for a CRM application managing customer workflows.
- Modified existing CI/CD pipelines and assisted in creating new pipelines from scratch.
- Managed Git repository permissions and followed standard branching strategies.
- Created and optimized Dockerfiles for application containerization.
- Assisted with Kubernetes deployment manifests, ingress configurations, and scaling.
- Supported Terraform module updates and helped add new infrastructure resources.
- Monitored application logs and infrastructure metrics and escalated issues when required.

## EDUCATION

**Shri Vile Parle Kelavani Mandal's Institute of Technology, Dhule**                    **2020 − 2024**
*B.Tech - Computer Engineering -* **7.81 CGPA**                              *Dhule, Maharashtra*

**Jai Hind Junior College, Dhule**                              **2018 − 2020**
*Higher Secondary Education -* **67.69%**                          *Dhule, Maharashtra*

**Jai Hind High School, Dhule**                                    **2018**
*Primary and Secondary Education -* **84%**                          *Dhule, Maharashtra*

## PUBLICATIONS

**Unmasking Attacker Identity Behind The VPN**                          **Dec 2023**
*5th International Conference on Advances in Al for Biomedical Instrumentation Electronics*
& Computing (ICABEC-2023)

**Heart Disease Prediction Using Deep Learning Approaches**                  **May 2025**
*ICCSS 2025, D.Y. Patil College of Engineering, Akurdi*

**Fruit Quality Monitoring System Using Machine Learning and Internet of Things**
*ICCSS 2025, D.Y. Patil College of Engineering, Akurdi*

## CERTIFICATIONS

- Python 3.4.3 Spoken Tutorial, IIT Bombay
- Building Modern Python Applications on AWS
- Develop and Deploy Windows Applications on AWS