

HARSH SONI

DEVOPS ENGINEER



PROFILE

Aspiring DevOps Engineer with hands-on experience in automation, CI/CD, and cloud infrastructure. Confident working with modern DevOps tools and committed to building efficient, reliable systems. Focused, quick to learn, and passionate about continuous improvement, both in systems and in personal growth.



PROFESSIONAL EXPERIENCE

DataVail InfoTech Pvt Ltd NOV 2022 - FEB 2025
Trainee Devops Engineer/ Database Administrator

- Designed and implemented Jenkins CI/CD pipelines for mul projects, automating build, and deployment processes. Used Git and Maven to manage source code and dependencies.
- Containerized Java applications with Docker and deployed them on AWS EC2 instances, ensuring consistent and reliable environments. Improved deployment efficiency and reduced manual intervention through automation.
- Actively monitored real-time performance dashboards to ensure continuous uptime and efficiency of database environments.
- Used tools like SQL Server Management Studio (SSMS) and Techboost to track KPIs such as CPU usage, memory consumption, and disk space.
- Identified and addressed performance degradations or potential issues before they impacted users or applications.
- Analyzed logs and performance metrics to detect trends and mitigate emerging threats or inefficiencies.



PROJECTS

CI/CD Pipeline Development for Java-Based Microservices Project

- Provisioned scalable and consistent infrastructure on **AWS** using **Terraform**, including EC2 instances and security group configuration.
- Automated EC2 instance setup using **Ansible** playbooks, installing Docker, Java runtime, and other application dependencies.
- Enabled and configured UFW (Uncomplicated Firewall) on Ubuntu, and opened required ports (22 for SSH, 80 for HTTP, 8080 for application access) to enforce secure and controlled access with Ansible playbook.
- Maintained a clean and dynamic **Ansible inventory** for managing multiple EC2 instances.
- Developed a **Jenkins** CI pipeline to pull Java source code from GitHub, compile it using Maven, and package it as a JAR/WAR file.
- Built **Docker** images using Dockerfiles, containerizing the Java application along with its dependencies, and pushed the images to Docker Hub.
- Implemented a **Jenkins** CD pipeline to automate deployment: SSH into EC2 instances, remove old Docker containers and images, pull the latest Docker image from Docker Hub, and run the updated container.



CERTIFICATION & COURSES

DevOps Engineer Course at TryCatch Classes

FEB 25 - MAY 25



EDUCATION

K.P.B. Hinduja College of Commerce

2017 - 2020

Bachelor of Computer Application - CGPA: 7.63 / 10.0

CONTACT

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TECHNICAL SKILLS

- DevOps Tools: Docker, Kubernetes, Jenkins, Ansible, Terraform
- Cloud Platforms: AWS (EC2, Lambda, S3, IAM, VPC, ELB)
- CI/CD: Jenkins, Git, GitHub
- Scripting & Automation: Bash, YAML (Ansible Playbooks)