

# SOHAM PATIL

## DEVOPS ENGINEER

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## OBJECTIVE

Highly skilled in designing, implementing and managing CI/CD pipelines, automation tools and delivering scalable and reliable services. Expertise in Linux system administration and configuration management. Seeking to contribute continuous improvement, innovation, delivering high-quality solutions with reduce costs and enhance system performance through innovative DevOps practices and tools.

## PROFESSIONAL EXPERIENCE

Hisan Labs Pvt Ltd, Pune, India  
Dec 2023 – Present

## ROLES AND RESPONSIBILITIES

- Designed, implemented, and maintained **CI/CD pipelines** for various applications using **Jenkins** and **GitLab CI** to automate build, test and deployment processes.
- Integrated **Jenkins** Pipeline with version control systems, artifact repositories using Declarative Pipeline syntax to automate the software project lifecycle build, test, and deployment.
- Build configurations using **Apache Maven** integrating them into CI/CD pipelines for automated builds and releases.
- Integrated **SonarQube** with CI/CD pipelines to automate code quality checks. Analyzed code quality metrics, identified code smells, bugs and vulnerabilities.
- Maintained clear documentation of the **pipeline** processes, deployment steps, rollback strategies and troubleshooting guidelines.
- Experienced in using Git for **version control**, including branching, merging, rebasing, and resolving conflicts. Apart from this experienced in managing pull request.
- Containerize applications, using **Docker** for consistent development and deployment environments. Developed Dockerfiles to build lightweight and efficient container images, optimizing resource utilization and application performance.
- Orchestrated containerized applications using **Kubernetes**. Ensured container security and compliance with best practices. Deployed, managed and scaled containerized applications in Kubernetes clusters. Configured and managed K8s resources such as pods, deployments, services and used ingress for microservices.
- Implemented monitoring, logging and alerting solutions for application, I used **Prometheus** and **Grafana**.
- Skilled in writing **Terraform** configuration files and reusable modules to automate the setup of cloud resources particularly in AWS. Manage Terraform state files and ensure they are properly backed up and secured.
- Deployed and managed RDS instances for various database engines including **MariaDB**, **PostgreSQL** etc. Configured automated backups, snapshots, and multi-AZ deployments for high availability.
- **File System Management:** Configured file systems, mount/unmount storage devices, disk partitioning and LVM

- **System Security:** Implemented various security measures such as firewalls, access control list permissions, and SELinux to safeguard systems against potential threats.
- **Network Configuration:** Set up and manage network interfaces, IP addressing and routing.
- **Network Services:** Configured essential network services like HTTP/HTTPS, SSH, NFS and FTP
- **Backup Strategies:** Implemented backup strategies using tools like tar, cronjobs and automated backup solutions.
- **Shell Scripting:** Basic understanding of shell scripting and wrote basic scripts for automation with the help of cronjobs.

Skill Set	Tools & Services
<b>Version Control:</b>	Git, GitHub and Gitlab
<b>CI/CD Tools:</b>	Jenkins, GitHub, Docker, Kubernetes
<b>CI/CD Pipelines:</b>	Jenkins CI/CD, GitLab CI
<b>Containerization Tools:</b>	Docker
<b>Container Orchestration:</b>	Kubernetes
<b>Infrastructure as Code (IaC):</b>	Terraform
<b>Configuration Management:</b>	Ansible
<b>Monitoring Tools:</b>	Prometheus, Grafana & CloudWatch (AWS)
<b>AWS Services:</b>	IAM, EC2, VPC, S3, RDS, R53, CodeCommit, EFS, EKS & CloudFront
<b>Linux Administration:</b>	Linux (Ubuntu, CentOS, RHEL) System configuration, network management
<b>Web Servers:</b>	HTTPD, Nginx and Apache-Tomcat
<b>Programming Language:</b>	BASH, Python

## EDUCATION

### Bachelor of Management Studies

Sathaye College, vile Parle,  
Mumbai University, Mumbai  
July 2023

## DECLARATION:

I hereby confirm that the above information is true and accurate to the best of my knowledge and belief.

**Signature**  
Soham Patil