

Snehal Somnath Parange.

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Professional Summary

Certified DevOps Engineer with 2+ years of experience in software development and hands-on exposure to DevOps practices. Adept at Java, Docker, Kubernetes, and Kafka with a strong understanding of cloud platforms and CI/CD workflows. Proven ability to build scalable solutions, automate deployments, and integrate DevOps best practices to improve system reliability by 75% and reduce deployment times by 40%.

Technical Skill

- Expert: Docker, Kubernetes, Apache Kafka, Git, Java.
- Intermediate: AWS Cloud, Jenkins, Networking Protocols (TCP/UDP), Ansible.
- Beginner: Terraform, Prometheus, Grafana, Python, Maven
- Tools: Postman, SonarQube, Minikube.

Experience

Software Developer + DevOps Practices | Reliance Jio, Mumbai July 2022 – Present

- 1) Packet-Gen Deployment in Docker: Built and containerized Packet-Gen with a custom Docker image for scalability. Configured host networking and privileged mode for low-latency packet generation. Automated setup with a Dockerfile, including dependencies and network configurations. Simplified network testing by integrating Packet-Gen into a containerized workflow. improving network test efficiency by 60%.
- 2) Docker & FRRouting (FRR): Built and deployed FRR Docker images on Ubuntu and CentOS, installing necessary dependencies (Python, libyang, CMake, Protobuf-C) for FRR functionality.
- 3) High-Performance Transport Load Balancer Development: Designed and implemented a custom load balancer in Java. Ensured fast packet processing and scalability with optimized multithreading and network programming.
- 4) Apache Kafka: Implemented Kafka for an API-based SASE gateway to enable efficient message brokering. Developed and integrated Kafka producers and consumers for real-time data streaming and communication. containerized microservices with Docker, and used Postman and SonarQube for API and code testing. reducing latency by 30%.

Internship Schedule

DevOps Intern | HighCatch Pvt. Ltd. (with StarAgile) May 2024 – Aug 2024

- Worked on real-time projects in banking and healthcare domains
- Built automated pipelines with Docker, Jenkins, Kubernetes, Terraform, and Ansible
- Deployed infrastructure and monitored services using open-source tools

DevOps Projects

1. Finance Me – CI/CD for Banking Solutions
 - Automated CI/CD pipeline using Git, Jenkins, and Docker
 - Provisioned cloud infrastructure with Terraform and Ansible
 - Implemented monitoring with Prometheus and Grafana
 - Reduced deployment efforts by 75% and improved fault tolerance
2. Reddit Clone CI/CD Automation
 - Built scalable app deployment with Docker and Kubernetes (Minikube)
 - Integrated Docker Hub for image management
 - Added monitoring and logging for efficient issue resolution

Certifications

1. Certified DevOps Engineer – StarAgile
2. IBM – DevOps Fundamentals, Docker Essentials, Scalable Web Apps on Kubernetes.
3. Advanced Course in Hardware & Networking.

Education

B. Tech in Information Technology (2019 – 2022) | 83%
Diploma in Information Technology (2016 – 2019) | 73%
SSC (2016) | 72%