**Snehal Somnath Parange.**

Mumbai, India | 7887713087 | [snehalsparange121@gmail.com](mailto:snehalsparange121@gmail.com) | Linkedln: <http://www.linkedin.com/in/snehal-parange-devops>

**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%