

JALAJ MANSINGKA

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Summary

Experienced DevOps and Site Reliability Engineer with over 2+ years of experience in building and maintaining scalable infrastructure for cloud-native applications. Currently working on a cutting-edge 5G core unified data management product, with a strong focus on automation, CI/CD, and cloud infrastructure. Proficient in containerization, orchestration, and monitoring tools.

Technical Skills

Cloud Platforms: AWS, NCS (Nokia Cloud Service)

Containerization & Orchestration: Docker, Kubernetes

CI/CD: Jenkins

Project Management Tools: Jira, Visual Studio Code, MobaXterm, Wireshark(basic)

Frameworks: Robot Framework

Infrastructure as Code (IaC): Terraform

Monitoring & Logging: Prometheus, Grafana, ELK Stack

Scripting: Bash, Python

Version Control: Git

Networking: TCP/IP, DNS, Load Balancers

Experience

Nokia Solutions and Networks

August 2022 – present

DevOps Test Engineer

Bangalore, India

Expertise in DevOps CI/CD Pipelines and Site reliability

- **Managed CI/CD Pipelines:** Designed and maintained Jenkins pipelines for automated sanity checks, code builds, and unit testing using Unity Test Framework. Ensured smooth integration with SonarQube for continuous code quality assessment.
- **5G Core UDM Microservices:** Managed the deployment and lifecycle of 5G Core UDM microservices. Worked on containerizing microservices using Docker and orchestrating them with Kubernetes. Focused on optimizing deployment strategies for high availability and resilience.
- **Artifact Management:** Automated the creation and deployment of APS tar.gz files, which included Docker images, Helm charts, and metadata. Managed and versioned these artifacts using JFrog Artifactory, ensuring traceability and easy rollback.
- **Infrastructure as Code (IaC):** Implemented and managed infrastructure as code using tools like Terraform and Ansible, facilitating consistent and repeatable deployments across multiple environments.
- **Monitoring and Logging:** Set up monitoring and alerting for microservices using Prometheus and Grafana. Integrated logging solutions like the ELK stack to centralize and analyze logs, aiding in faster issue resolution.
- **Collaboration and Agile Practices:** Collaborated closely with operational and QA teams in an Agile environment to ensure seamless integration and delivery of features. Participated in sprint planning, retrospectives, and daily stand-ups to drive continuous improvement.

Nokia Solutions and Networks

July 2021 – May 2022

R & D Intern

Bangalore, India

- Engaged in the development of Python automation scripts for both web and API-based automation.
- Deployed EIR on a cloud-native platform, utilizing Kubernetes (K8s) and Helm charts within a Cloud Native Functions (CNF) environment.
- Utilized Jenkins to automate software development tasks such as building, testing, and deploying, enabling continuous integration and continuous delivery (CI/CD).

Education

Chandigarh University

Aug. 2018 – May 2022

Bachelor of Science in Computer Science

Mohali, Punjab