PRATIK INGALE

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SUMMARY

Cloud-native Python backend developer with 3 years of hands-on experience building scalable backend systems, automating CI/CD pipelines, and deploying containerized solutions across multi-cloud environments. Proven expertise in Kubernetes, Helm, Jenkins, Flask, and GitOps practices. Skilled in creating reusable DevOps utilities, streamlining certification workflows, and improving release velocity. Recognized for leading cross-team automation efforts, mentoring peers, and driving end-to-end backend and infrastructure improvements across production-grade environments.

TECHNICAL SKILLS

Languages & Frameworks: Python, Flask, SQL, Bash, C++, Java
DevOps & Cloud: Kubernetes, Helm, Jenkins, GitLab CI, Docker, Ansible, Git, Gerrit, Jira
Platforms: Azure AKS, AWS EKS, GCP GKE, RedHat OCP, Tanzu TKG
Tools & Platforms: PostgreSQL, Linux, X-Ray, Artifactory, Prometheus, Grafana

PROFESSIONAL EXPERIENCE

NOKIA SOLUTIONS NETWORKS
Bengaluru, KA
Senior Software Engineer   July 2024 – Present

- Developed automated CI/CD pipelines and infrastructure in the Base Image Refresh Automation team to improve security, scalability, and reliability of multi-cloud deployments
- Automated 10+ CI/CD pipelines using custom-built utilities for Gerrit, Jenkins, Helm, and JIRA, reducing manual release tasks by over 70%
- Built a parallel image rebuild framework using master-worker architecture, reducing image creation time from 1 day to under 2.5 hours
- Deployed Prometheus and Grafana for lab environment metrics tracking, enabling 30% infrastructure cost savings through proactive resource optimization
- Built and deployed a Flask Validation API with LDAP auth, now actively used by 6+ teams to streamline internal compliance validations
- Restructured Jenkins job hierarchies and automated Helm chart/registry syncs, reducing manual errors and cutting configuration time from a week to under 7 hours
- Initiated unit test development from scratch, increasing test coverage by 33%; mentored 3 engineers who now lead key DevOps, SRE, and backend roles
- Managed JIRA, Jenkins, GitLab, and Gerrit under production and non-prod functional accounts, acting as critical owner for high-impact tool chain operations

Associate Software Engineer   Aug 2022 – June 2024

- Delivered platform-agnostic backend and CI/CD solutions across AKS and Tanzu (TKG), contributing to scalable deployment of containerized services
- Designed and maintained CI/CD pipelines for critical services (Kafka, NGINX Ingress, Nokia Common Services) across 2 platforms, standardizing certification workflows
- Created 3 reusable Helm charts for services including Cert Manager and MariaDB, which were adopted by 2 additional teams to accelerate cloud-native onboarding
- Deployed both Istio and non-Istio service meshes to support hybrid networking requirements, increasing deployment flexibility across platforms
- Automated namespace-restricted kubeconfig generation and RBAC-based access control for Kubernetes clusters, improving onboarding security and efficiency
- Authored detailed comparisons between Azure-native and internal Nokia services to guide cloud adoption strategies and architectural decisions
- Migrated 3 asset pipelines from legacy systems to containerized flows, reducing runtime from ~18 hours to ~9 hours and improving delivery velocity
- Centralized X-Ray test result uploads across asset pipelines, standardizing reporting and ensuring test result reliability
- Built Kafka testing framework and integrated Mirror-Maker certification into ACC pipeline, streamlining test automation and expanding certification coverage
- Contributed key enhancements to the CI/CD framework to support onboarding of new components and custom pipeline requirements

Student Trainee Jan 2022 – May 2022

- Deployed and configured Apache Spark and RabbitMQ on Nokia Container Services (NCS), enabling scalable stream and message processing in internal lab clusters
- Set up ingress controllers to securely expose services in Kubernetes clusters, improving internal access and traffic routing
- Supported lifecycle operations (install, upgrade, decommission) for cloud-native services deployed on NCS and RedHat OpenShift (OCP), contributing to system stability and performance

RECOGNITION

- **Functional Account Owner**: Granted full responsibility over tools like JIRA, Jenkins, Gerrit, and GitLab across production and non-prod environments — a role typically reserved for senior engineers.
- **Cross-Team CI/CD Leadership**: Spearheaded the development of reusable CI/CD workflows adopted by 3+ engineering teams, reducing delivery inconsistency and redundant effort.
- **Azure Enablement Champion:** Delivered structured knowledge-sharing sessions on Azure-native infrastructure and DevOps tooling, improving onboarding speed and upskilling new engineers.

EDUCATION

KLE TECHNOLOGICAL UNIVERSITY Hubballi, KA
Bachelor of Engineering in Computer Science and Engineering Aug 2018 – June 2022
Cumulative GPA: **8.52**