

TALHA JUIKAR

DevOps Engineer



talhajuikar5@gmail.com



talhajuikar.cloud



+91 8805146223

[LinkedIn](#)



Mumbai

PROFESSIONAL SUMMARY

Results-driven DevOps Engineer with a strong background in optimizing software development and IT operations, specializing in cloud-native technologies. Skilled at leveraging automation and collaboration to improve efficiency and support continuous improvement in dynamic environments. Committed to delivering reliable, scalable solutions that meet business needs. My goal is to contribute to the success of a forward-thinking company while fostering mutual growth.

SKILLS

Linux Administration: Experienced with RHEL-based distributions (RHEL, Rocky Linux, AlmaLinux) and Ubuntu

Cloud Platforms: AWS, Microsoft Azure, Nutanix HCI

IaC and Configuration Management: Terraform, Ansible

CI/CD: GitLab CI, GitHub Actions, FluxCD, ArgoCD, Jenkins

Containerization, Orchestration & Service Mesh: Docker, Kubernetes, Amazon EKS, Nutanix Kubernetes Platform (NKP), Istio

Observability: ELK Stack, Prometheus, Grafana, Loki, Open telemetry, Jaeger

Programming and scripting languages: Shell Scripting, Python

WORK EXPERIENCE

Network Techlab (India) Limited
Cloud Infrastructure Engineer

Thane
July 2023 to Present

As a **Cloud Infrastructure Engineer** specializing in **DevOps** and **cloud-native technologies**, I have hands-on experience in designing, deploying, and operating **Kubernetes-based microservices platforms**. My role focuses on enabling **agile development** through **automation**, robust **CI/CD pipelines**, and building **resilient infrastructure** across **multi-cloud environments**.

- Architect and manage **production-grade Kubernetes clusters** powering **microservices applications**, ensuring **scalability**, **high availability**, and **seamless upgrades**.
- Implement advanced Kubernetes deployment strategies, including **blue/green deployments**, **canary releases**, and **A/B testing** to minimize downtime and reduce risk during rollouts.
- Design and automate **backup and disaster recovery solutions** for **stateful microservices**, including **persistent volume snapshotting** and **cross-cluster failover**, ensuring data durability and business continuity.
- Manage a **multi-cloud Kubernetes strategy** providing disaster recovery capabilities and seamless failover for SaaS platforms.
- Integrate **GitLab CI/CD** with **ArgoCD** and **FluxCD** to enable **automated, pull-based continuous deployments** using **GitOps workflows**, reducing manual intervention and accelerating release velocity by 40%.
- Develop and optimize **multistage, multibranch pipelines** to automate deployment workflows across multiple environments, improving efficiency by 30%.
- Troubleshoot and resolve complex **Kubernetes networking** challenges such as **ingress controller configurations**, **service discovery**, and **secure network policies** for inter-service communication.
- Deploy and manage **service meshes** using **Istio** to enhance microservices communication, security, and observability.
- Integrate **distributed tracing** with **Jaeger** alongside **Istio** to provide end-to-end visibility, monitor latency, and diagnose performance bottlenecks in production.

- Set up and fine-tune centralized **logging and monitoring** using **Prometheus**, **Grafana**, and the **ELK stack** to provide actionable insights into application and infrastructure performance. Analyze logs and metrics to identify bottlenecks and optimize resource utilization.
- Automate infrastructure provisioning using **Terraform** across multiple clouds, creating **VPCs/Vnets**, **compute instances**, **databases**, **load balancers**, and **storage** — cutting provisioning time in half and reducing cloud costs by 25%.
- Write and maintain **Ansible playbooks** and **Bash scripts** to automate configuration management, system updates, and routine maintenance tasks in hybrid cloud environments.
- Collaborate with development, security, and operations teams to align **Kubernetes** and **DevOps** strategies with business goals, supporting continuous improvement and innovation.

CERTIFICATION

AWS Certified Solutions Architect - Associate • Amazon Web Services, Inc
Certification ID 8274d41c42494121a579bb51783c2195

Red Hat Certified System Administrator (RHCSA) • Red Hat, Inc.
Certification ID 230-087-900

Nutanix Certified Professional - Multicloud Automation 6 • Nutanix

PERSONAL PROJECTS

- **Production-Ready Kubernetes Homelab**

 [GitHub – TalhaJuikar/homelab](https://github.com/TalhaJuikar/homelab)

Built a secure, GitOps-driven Kubernetes homelab using Talos Linux and FluxCD to simulate production environments and practice infrastructure automation.

Highlights:

- Talos Linux for immutable, secure OS-level nodes and Rancher for fleet Management
- Secure secrets management using external-secrets
- FluxCD for continuous delivery via GitOps
- Declarative infrastructure & workload management
- Emulates real-world Kubernetes operations
- Tooling: Helm, SOPS, Kustomize, GitHub Actions

- **Technical Blog & Homelab Documentation**

 [Website](#)

Maintained a personal blog sharing insights, walkthroughs, and documentation on Kubernetes, homelab infrastructure, and DevOps practices.

- **Ansible Role for Kubernetes Deployment**

 [GitHub](#) | [Ansible Galaxy](#)

Developed a modular Ansible role to automate the provisioning of Kubernetes clusters using Kubeadm. Supports various container runtimes and CNI plugins. Designed for flexibility, scalability, and ease of reuse in different infrastructure setups.

EDUCATION

B.E Electronics and Telecommunication Engineering

2019 to 2023

Anjuman-i-Islam's Kalsekar Technical Campus (Mumbai University)