

Akhila Nair

Senior DevOps Engineer

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Exploring opportunities in Bangalore, Mumbai, and Dubai.

PROFILE SUMMARY

Senior DevOps Engineer with 6+ years of experience building scalable cloud-native platforms and reliability systems across AWS and Azure. Experienced in combining Kubernetes, Infrastructure as Code, and AI-driven automation to solve complex operational challenges, from agentic production readiness frameworks and intelligent incident tooling to large-scale EKS upgrades and disaster recovery automation.

TECHNICAL SKILLS

Cloud & Platform Engineering: AWS, Azure, Kubernetes, Docker, Helm, Karpenter

Infrastructure Automation: Terraform, GitHub Actions, CI/CD Pipelines, Python, Bash

Observability & Reliability: Prometheus, Victoria Metrics, Grafana, Coralogix, OpenSearch, New Relic, Incident Management, SLO/SLA Design

AI-Driven Operations: LLMs, Claude Skills, Agentic Automation, Subagent Orchestration, Vector Databases, AIOps

Distributed Systems: Multi-AZ and Regional Disaster Recovery, Production Readiness, Platform Scalability

WORK EXPERIENCE

Razorpay, Bangalore, India

Senior DevOps Engineer | Oct 2024 - Present

- Led multi-AZ and regional DR strategy for production EKS platforms, using AI-assisted analysis and automated observability workflows to validate failovers, detect drift, and reduce manual operational overhead.
- Designed an org-wide Go/No-Go production readiness framework that replaced a days-long manual process with a 15-minute automated assessment using Claude Skills and specialist subagents.
- Architected header-driven ingress routing policies for tenant-segmented traffic across EKS, improving traffic governance, rollout safety, and operational flexibility.
- Redesigned Prometheus and Victoria Metrics alerting by consolidating redundant alerts, setting dynamic thresholds, and streamlining escalation flows.
- Led an org-wide Amazon EKS upgrade across 150+ production clusters with zero downtime, automating version analysis, node rotation, and cluster upgrade workflows.
- Built and published RCAgpt, an AI-driven incident management tool using vector databases and LLMs to auto-generate RCA drafts from incident signals.
- Re-architected centralized logging with Coralogix, cutting application logging costs by nearly 60% while improving log quality and query performance.
- Built an in-house cronjob management platform and led org-wide migration to Bottlerocket OS for stronger security posture and patching reliability.

Tresata, Bangalore, India

Senior DevOps Engineer | Oct 2022 - Oct 2024

- Led transformation of an in-house product into a scalable SaaS platform using Kubernetes across AWS EKS and Azure AKS.
- Designed secure multi-tenancy in Kubernetes with namespace isolation and controlled resource sharing across customers.
- Architected autoscaling strategies using Karpenter on AWS and Azure-native scaling to improve resource efficiency and reduce costs.

Tresata, Bangalore, India

DevOps Engineer | May 2021 - Oct 2022

- Built foundational Kubernetes infrastructure across AWS EKS and Azure AKS to support platform scalability.
- Developed operational dashboards using New Relic and standardized deployment and observability practices across services.

Rapid Micro Bio Systems, Lowell, USA

Software Quality Assurance Engineer | Jul 2020 - Apr 2021

- Migrated on-premise services into a secure AWS VPC, improving scalability and infrastructure reliability.
- Automated manufacturing workflows with Python, reducing turnaround time by 40%.

EDUCATION

University of Massachusetts Boston, USA - Masters in Computer Engineering | Aug 2017 - May 2019

University of Mumbai, India - Bachelors in Electronics Engineering | Jul 2013 - May 2017

CERTIFICATIONS

AWS Solution Architect - Microsoft Azure Fundamentals