

NEEHAR S ASHOK

DevOps Engineer

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PROFESSIONAL SUMMARY

Results-driven DevOps Engineer with hands-on internship experience and a strong portfolio of production-grade cloud infrastructure, CI/CD automation, and containerised systems on AWS. Proficient in Docker, Kubernetes, Terraform, GitHub Actions, Linux, and Python/Bash scripting. Experienced in building multi-stage CI/CD pipelines, orchestrating multi-tenant cloud environments, implementing observability with Prometheus and CloudWatch, and enforcing IAM least-privilege security. Certified in Cloud Computing and DevOps from IIT Guwahati — recognised as a top performer.

TECHNICAL SKILLS

Cloud & AWS: EC2, S3, Lambda, EKS, RDS, SQS, DynamoDB, IAM, API Gateway, CloudWatch, VPC, Secrets Manager, Route 53, Serverless

DevOps & IaC: Terraform, Ansible, Jenkins, GitHub Actions, GitLab CI, CI/CD Pipelines, GitOps, tfsec, Shift-Left Testing

Containers & Orchestration: Docker (Dockerfile, Compose, Multi-stage Builds), Kubernetes (Namespaces, NetworkPolicies, IRSA, Autoscaler), Helm, YAML

Observability & Security: Prometheus, CloudWatch (Metrics, Alarms, Dashboards), UFW Firewall, Nginx, IAM Least-Privilege, SSH, Linux/Ubuntu

Scripting & Backend: Python (Automation, ETL, Lambda, pytest), Bash/Shell Scripting, Java (Spring Boot), Node.js, RESTful APIs, SQL

Tools & Practices: Git, GitHub, Postman, Maven, VS Code, IntelliJ IDEA, Agile (Scrum), Incident Management, Documentation

PROFESSIONAL EXPERIENCE

Cyber Square — AI and Robotics for Schools

Jul 2026 – Present

DevOps Intern | Kozhikode, Kerala | On-site

- Assist in building and maintaining CI/CD pipelines using GitHub Actions and Jenkins to automate software build, testing, and deployment processes, reducing manual release overhead and improving delivery speed.
- Work with Docker containerisation and Kubernetes orchestration to package, deploy, and manage application workloads across development and staging environments.
- Support cloud infrastructure management on AWS including EC2 provisioning, S3 configuration, IAM role setup, and deployment automation; configure and maintain Linux (Ubuntu) environments for development and production use.
- Implement Infrastructure as Code concepts using Terraform and Ansible to standardise environment provisioning; monitor application performance, troubleshoot deployment issues, and contribute to improving system reliability.

Kodnest Technologies

Aug 2024 – Mar 2025

Full Stack Developer Intern | Bengaluru, Karnataka

- Implemented Python ETL automation scripts to extract, transform, and load structured datasets into reporting pipelines, eliminating manual data intervention and improving processing reliability across client workflows.
- Built and deployed a Spring Boot REST API with JavaScript dashboard; optimised MySQL schemas with indexed queries and stored procedures; validated API integrations end-to-end using Postman.
- Collaborated in Agile Scrum sprints with daily standups, sprint planning, and code reviews; mentored 3 junior interns on Git workflows, Linux, and OOP best practices — improving team velocity and documentation quality.

PROJECTS

AI-Powered Kubernetes Health Monitor [🔗](#)

June 2026

Python (FastAPI, Uvicorn), Kubernetes Python SDK, Anthropic API (Claude 3.5 Sonnet), Slack Web API, Docker, Helm, RBAC

- Architected a real-time Kubernetes cluster health monitor with a multi-threaded FastAPI backend streaming Kubernetes API resources and async event-watching routines to detect CrashLoopBackOff and OOMKilled failures in real-time.
- Integrated Claude AI (Anthropic API) for automated root-cause analysis and troubleshooting playbooks; engineered Slack alert pipelines with severity ranking and in-memory deduplication; packaged with Helm and read-only RBAC ClusterRole policies.

Neo-SaaSify: Multi-Tenant DevOps Platform [🔗](#)

June 2026

AWS (EKS, S3, RDS, SQS, Secrets Manager, CloudWatch, IAM/IRSA), Terraform, Kubernetes, GitHub Actions, Node.js, Prometheus, Redis

- Engineered a self-service SaaS provisioning platform automating the full tenant lifecycle on AWS; Terraform orchestrated via GitHub Actions deploys and tears down isolated Kubernetes environments in under 5 minutes.
- Implemented multi-tenant isolation via Kubernetes namespaces with NetworkPolicies, IAM/IRSA least-privilege per tenant, AWS Secrets Manager for runtime secret injection, and Prometheus for real-time health monitoring.
- Built a Python Reaper cron daemon automating terraform destroy on orphaned environments — reduced cloud overhead by 35%; DynamoDB state locking and SQS/Redis queuing serialise concurrent provisioning without conflicts.

Flask CI/CD Pipeline [🔗](#)

May 2026

Python, Flask, GitHub Actions, Docker, Docker Hub, Docker Compose, AWS EC2, Nginx, UFW, pytest

- Built a three-stage CI/CD pipeline using GitHub Actions automating pytest testing, Docker image builds, and zero-downtime EC2 deployment on every push to main; Nginx reverse proxy on Ubuntu with UFW firewall and security headers.

EDUCATION

Indian Institute of Technology Guwahati [🔗](#)

2025 – 2026

Advanced Certification in Cloud Computing and DevOps, Computer Software Engineering

SRM Institute of Science and Technology, Kattankulathur

2020 – 2024

B.Tech in Computer Science Engineering (Cloud Computing Specialisation) | CGPA: 7.5

CERTIFICATIONS & ACHIEVEMENTS

- Certificate of Excellence** | Top scorer in the Advanced Certification in DevOps and Cloud Computing at IIT Guwahati. [🔗](#)
- Advanced Certification in DevOps and Cloud Computing, IIT Guwahati (2025–2026) [🔗](#)
- Introduction to Cloud Computing, IBM, Coursera [🔗](#)
- Amazon DynamoDB, Amazon Web Services (AWS) [🔗](#)
- Reduced client report preparation time by 50% via Python ETL automation at Kodnest Technologies.
- Mentored 3 junior interns in Git, Linux, and Agile practices; improved team velocity and documentation standards.