

NS3 CAREER: CLOUD & DEVOPS



**WELCOME TO
NS3GROUP**

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FOUNDERS



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VISION

“To maximize fresher employability by bridging education with real-world opportunities through innovation and mentorship.”

PROGRAM OVERVIEW : CLOUD & DEVOPS



Automate. Scale. Sustain.

In the modern tech landscape, software is only as good as the infrastructure it runs on. At **NS3EDU**, we bridge the gap between development and operations. Our **Industry Based Curriculum (IBC)** transforms you into a DevOps engineer who doesn't just manage servers but builds resilient, self-healing systems.

The NS3EDU Promise: "We focus on the **CAMS model** (Culture, Automation, Measurement, and Sharing), ensuring you master the tools while understanding the philosophy of high-performing engineering teams."

THE MULTI-CLOUD & DEVOPS ROADMAP



Module 1: Systems & Cloud Foundations

- Linux Mastery:** Essential administration, shell scripting (Bash/Python), and process management.
- Networking Fundamentals:** VPC design, Subnets, DNS, and Load Balancing in a cloud context.
- AWS & Azure Core:** Deep dive into EC2/VMs, S3/Blob Storage, IAM, and Serverless (Lambda/Functions).

Module 2: Infrastructure as Code (IaC) & Configuration

Terraform: Writing declarative code to provision multi-cloud infrastructure.

Ansible: Automating server configuration, application deployment, and task orchestration.

CloudFormation: Master native AWS automation for high-speed environment replication.

Module 3: Containerization & Orchestration

- **Docker:** Creating immutable application images and managing container lifecycles.
- **Kubernetes (K8s):** The industry standard. Learn Scheduling, Self-healing, Auto-scaling, and Service Discovery.
- **Helm Charts:** Managing complex Kubernetes applications with reusable packages.

Module 4: Continuous Integration & Deployment (CI/CD)

- **Git & Version Control:** Advanced branching strategies for collaborative DevOps pipelines.
- **Jenkins:** Building robust automation servers for build, test, and deploy cycles.
- **GitOps:** Mastering modern deployment workflows using **GitHub Actions** and **Argo CD**.

PLACEMENT & CAREER ACCELERATION



Industry Project Lab (IPL)

Our **45-day simulated internship** puts you in charge of a production-grade environment at **NS3TechSolutions**. Projects include:

- **Blue-Green Deployment:** Setting up a zero-downtime deployment pipeline for a high-traffic app.
- **Hybrid Cloud Setup:** Connecting on-premise databases with cloud-native frontend services.
- **K8s Auto-Scaling:** Designing a system that scales based on CPU/Memory spikes automatically.

CLOUD & DEVOPS CAREER OUTCOMES



Job Role	Average Salary (Entry - Mid Level)
Cloud Engineer	₹6L – ₹14L PA
DevOps Engineer	₹8L – ₹18L PA
Site Reliability Engineer (SRE)	₹10L – ₹22L PA
Infrastructure Architect	₹18L – ₹35L+ PA