

PROGRAM DOSSIER

Full Stack Cloud & AIOps, *Built for Builders.*

A 6–8 month live program co-built with **TIH at IIT Bombay** — built to take you from traditional DevOps to self-healing infrastructure, AI at scale, and proof of work hiring teams actually care about.



INDIA • UAE • SINGAPORE

6–8

MONTHS LIVE

Live

BUILD SESSIONS

100+

PRACTITIONER MENTORS

4

CAPSTONE PROJECTS

Inside this *dossier*.

A program built around one belief: in the AI-first world, infrastructure must be **intelligent, autonomous, and self-healing** — and the scarcest engineers are the ones who can build it. Here's what the next 14 pages cover.

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Traditional DevOps is *evolving*. Are you?

For a decade, operations meant keeping the lights on — manual scripts, dashboards you remembered to set up, and someone paged at 3 AM when they failed.

The AI-first world broke that. Infrastructure now has to be **intelligent, autonomous, and self-healing** — predicting failures before they happen and remediating without a human in the loop.

This program retools you for that reality: from manual ops to **agentic workflows**, from monitoring to observability, from standard apps to LLM-Ops.

“

You stop keeping the old stack alive. You build infrastructure that keeps itself alive.

— THE PREMISE OF THIS PROGRAM

6–8 mo.

Live, cohort-based — weekly build sessions, not pre-recorded videos.

3

Timezones in one room — India, UAE & Singapore peers in the same Slack.

100%

Hands-on — every module ends in something you deploy to production.

What separates strong AIOps engineers *in the AI era*.

Four capabilities define the engineers hiring teams race to fill — and they're exactly what this program builds, week after week.

01

AUTOMATION

From manual scripts to agentic workflows

Don't just automate — build **agents** that manage your cloud, ship infra-code, and respond to incidents end-to-end without a human waking up at 3 AM.

02

OBSERVABILITY

From monitoring to observability

Predict failures with AI before they happen. Build distributed tracing, **anomaly detection**, and SLO-driven runbooks that catch the unknowns — not just the dashboards you remembered to set up.

03

LLM-OPS

From standard apps to LLM-Ops

Deploy and scale large language models with the same rigor as microservices — **model serving**, GPU autoscaling, eval pipelines, and cost guards baked in.

04

ECONOMICS

From cost-blind to cost-aware infrastructure

Treat **cost-per-token** and GPU spend as first-class design constraints. Architect for margin with autoscaling, prompt caches, and cost-guard sidecars from day one.

Prepare for the most *future-proof* roles in tech.

Four roles hiring teams are racing to fill — at big tech, scaling startups, and AI-first enterprises across India, UAE, and Singapore.



AIOps Engineer

Use machine learning to enhance and automate IT operations — anomaly detection, predictive scaling, self-healing systems.



MLOps Engineer

Bridge data science and production — feature stores, model serving, eval pipelines, and CI/CD for ML.



Forward Deployed Engineer

Embed with customers to design and ship complex AI solutions inside their workflows — the highest-leverage AI role today.



Cloud Architect (AI)

Design high-performance GPU clusters and inference platforms — multi-region, multi-tenant, AI-first.

Built for working engineers — DevOps, SRE, cloud, backend and data — ready to own production AI. Solid fundamentals matter more than prior AI experience.

The full platform stack you'll *own*.

Ten modules, six layers — from OS internals to GenAI on Kubernetes. By the end you operate the entire platform, top to bottom.

FULL STACK AIOPS ENGINEERING • EDWAGON

06

AI layer

The AIOps & MLOps edge + generative AI for platform engineering.

MLOPS • LLM-OPS

05

Observability

Full-stack, AIOps-ready tracing, anomaly detection & SLOs.

TRACING • SLOS

04

Delivery

CI/CD & progressive delivery — canaries, rollbacks, GitOps.

CI/CD • GITOPS

03

Orchestration

Docker & Kubernetes mastery on EKS / GKE.

DOCKER • K8S

02

Cloud & IaC

AWS deep-dive plus Infrastructure as Code.

AWS • TERRAFORM

01

Foundations

Linux & OS internals, advanced scripting & GitOps.

LINUX • BASH

Every module ends in something you deploy — so the program isn't a syllabus, it's a platform you build, layer by layer, with mentors beside you.

The vocabulary that separates an *operator* from a script-runner.

Tools change every year; principles compound. These are the concepts you'll learn to reason from — so you architect systems, not just react to alerts.

Self-Healing Infrastructure

Systems that detect, diagnose and remediate their own failures — no human paged at 3 AM.

SLOs & Error Budgets

Define reliability as a number, then spend the budget deliberately instead of chasing 100%.

Model Serving & Evals

Ship models like services — autoscaled, versioned, and gated by evals, not vibes.

Observability

Beyond monitoring: tracing, metrics and logs that answer questions you didn't know to ask.

Cost-per-Token & FinOps

Treat inference spend and GPU cost as design constraints, not surprises on the invoice.

GitOps & IaC

The whole platform as code in Git — reviewable, reproducible, rolled back in one revert.



*Predict failures before they happen
— and remediate before anyone
notices.*

— OBSERVABILITY, IN PRACTICE

How an AIOps engineer *actually* works.

Bridging business needs and AI execution — the cycle you'll run on every project, taught live in weekly build sessions.

STEP 1 • DISCOVER

Understand the business reality

Start with the operational pain. What the business actually spends on, not just the stated requirement.

STEP 2 • SCOPE

Define the right problem

Translate pain into a solvable problem. Worth using AI for — sized, scoped, and measurable.

STEP 3 • DESIGN

Design the AI approach

Decide what AI should do. What data it uses, how success is measured, and where the system can fail safely.

STEP 4 • BUILD

Build within real constraints

Inside existing data, systems & security. Production infrastructure, not a lab.

STEP 5 • DEPLOY

Deploy into production

Ship AI into live environments. Where real users depend on it — real on-call, real rollback paths.

STEP 6 • OPERATE

Own outcomes and improve

Monitor, fix, and improve. Continuously, based on real usage — not vanity metrics.

You leave with *proof of work*, not attendance.

Four capstone-grade projects woven through the program — each one becomes proof of work in your portfolio and an answer to the next system-design interview.

01

Self-Healing AWS Infrastructure

An LLM-agent that detects AWS outages, diagnoses root cause from CloudWatch + logs, and executes safe remediations. *LangGraph · Lambda · Terraform*

02

Private LLM on Kubernetes

Llama 3 on K8s with KServe, GPU autoscaling, a prompt-cache layer, and a cost-guard sidecar. *Kubernetes · KServe · Helm*

03

CI/CD for a GenAI App

Ship a GenAI app with eval gates, canary deploys, drift monitoring and Pinecone-backed RAG. *GitHub Actions · ArgoCD · Bedrock*

04

Multi-Region Disaster Recovery

Active-active multi-region failover for a fintech app, with chaos drills and a recorded RTO/RPO report. *Route 53 · Aurora · Chaos Mesh*

05

A proof-of-work portfolio

Four shipped systems plus runbooks and architecture docs — your answer to the next system-design interview.

06

A recognised credential

An institute-backed certificate co-built with TIH at IIT Bombay, grounded in real research.

Learn from engineers who *actually ship.*

No career lecturers. Your mentors are engineers shipping to production today — at Uber, CodeUpKid, Hansa Cequity and Edzor — and they review your actual work every week.

FULL STACK AIOPS ENGINEERING · EDWAGON

SB

Sabyasachi Behera

Staff Software Engineer ·
Uber
IIT KHARAGPUR

GP

Gaurav Payal

Machine Learning
Engineer · CodeUpKid
BENGALURU

MP

Manthan Patel

AI Solutions & Data
Science · Hansa Cequity
ASSOCIATE CONSULTANT

SD

Shivam Dutta

Founder & AI Researcher
· Edzor
10 YEARS ACROSS EDTECH &
AI

AM

Arshyan Mohd.

AI · Product · Growth ·
Edzor
IIT KHARAGPUR

Production AI shipped. *Real transitions.*

The program is judged on where people land, not on completion certificates. From the audited EdWagon Placement & Career Outcomes Report 2025–26 (all programs — AIOps cohorts are not yet in scope):

86%

Verified outcome rate

94 verified outcomes from 109 placement-eligible learners → **within 180 days**

ALL PROGRAMS • COHORTS COMPLETED 2025

₹11.8 LPA

Median post-program CTC

₹3.8 LPA median before, experienced learners → **₹11.8 LPA after**

JOINING BONUSES AND EQUITY EXCLUDED

91 days

Median time to outcome

From placement eligibility → **verified offer**

ACROSS ALL 94 VERIFIED OUTCOMES

₹27 LPA

Highest post-program CTC

Shown as a maximum → **not a typical result**

WE PUBLISH THE DISTRIBUTION, NOT A HEADLINE

Build

Production systems that connect software, infrastructure, models and operations.

Observe

Design telemetry, evaluation and incident signals teams can act on.

Automate

Turn runbooks and operational knowledge into dependable workflows.

Three cities. One serious *engineering community*.

Live cohorts across India, UAE and Singapore — peers in the same Slack, weekly build rooms, offline meetups, and a global hiring network you keep for life.

TIH AT IIT BOMBAY

Institute-backed labs & recognised credentials

SINGAPORE • BLOCK 71

APAC meetups with the cohort

DUBAI • DIFC

Builder dinners in the Gulf

HOW THE COMMUNITY WORKS



Live build rooms

Build

Implement production systems alongside peers and practitioners.



Architecture reviews

Review

Defend reliability, observability and automation decisions.



Engineering network

Connect

Learn with engineers across India, UAE and Singapore.

Know what the work *demands*.

A clear view of the commitment, engineering foundation and outcomes before you explore the full course.

“

Strong AIOps engineers make systems observable, automatable and safe to operate.

— THE OPERATING PRINCIPLE BEHIND THE PROGRAM

YOU'RE A FIT IF YOU

- ✓ Work in **DevOps, SRE, cloud, backend or data** and want to own production AI.
- ✓ Can commit to **two live build sessions a week** for 6–8 months.
- ✓ Want proof of work — shipped systems — not another certificate.

Q Do I need AI experience?

No — you need solid engineering fundamentals. We take you from DevOps into production AI.

Q How long?

6–8 months, two sessions a week, plus four capstone projects.

Q Is it live?

Yes — fully live and cohort-based, with weekly build rooms across three timezones.

Q What do I leave with?

Four shipped systems, a portfolio, a TIH at IIT Bombay credential, and a hiring network.

CONTINUE WITH THE COMPLETE COURSE PAGE

Stop maintaining the old stack. *Build the new one.*

Review the complete curriculum, learning format, faculty and current program information on the official course page.

[View full course details](#)

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