DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

Xops Advanced Training

Design an XOps operating model with platform engineering, SRE and governance, and plan an organisation-wide adoption roadmap.

LIVE ONLINE **Max 8-10 hours**	CORPORATE (DAY-WISE) **5 days · Days 1-5**	SELF-PACED VIDEO **1-year LMS access**
BATCH SIZE **Max 10 learners**	NEXT BATCHES **1st of every month · weekends: first Saturday**	CERTIFICATE **Verifiable certificate of completion**

Foundation	Essential	Intermediate	Advanced
1 day · Included	2 days · Included	3 days · Included	5 days · This curriculum

INSIDE THIS CURRICULUM

What you will achieve	Outcomes and level focus
Who should attend	Audience and prerequisites
Agenda	45 topics · Foundation to Advanced
Hands-on labs	4 labs
Formats and fees	Live, 1:1, self-paced, corporate
Trainer and reviews	Rajesh Kumar
Enrolment	Batches, payment, contacts

WHY DEVOPSSCHOOL

- Rated 4.6 on Google
- 1,500+ verifiable certificates issued in the public registry
- Trainer Rajesh Kumar: 20 years in industry
- Small batches: max 10 learners, every session recorded

Course page: www.devopsschool.com/courses/xops/xops-advance-training.html
Talk to us: WhatsApp +91 99057 40781 · +1 (469) 756-6329 · contact@DevOpsSchool.com · reply within 1 hour

OUTCOMES

What you will achieve

By the end of the Xops course path, you will be able to:

1

Understand the XOps landscape

Explain how DevOps, SecOps, DataOps, MLOps, AIOps and FinOps fit together and when to apply each.

2

Automate across domains

Build pipelines that deliver applications, infrastructure, data and models with security built in.

3

Lead XOps adoption

Design platforms, governance and metrics that scale XOps across teams and organisations.

WHAT THE ADVANCED LEVEL ADDS

Platform engineering, governance, scale and case studies

Hands-on: Capstone: design an XOps operating model. Assess a case organisation, design its platform, guardrails, SLOs and cost controls, and present a phased XOps adoption roadmap with metrics.

WHO SHOULD ATTEND

- Experienced Xops practitioners responsible for quality, security and scale.
- Senior engineers, architects and leads who design and troubleshoot Xops solutions.
- Teams making Xops an organisation-wide standard.

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Integrate security, data, machine learning, AI-driven operations and cost practices into one automated delivery system.
- Basic computer skills and a laptop with a stable internet connection for the live sessions and labs.
- This curriculum includes every earlier level, so it is complete on its own.

AGENDA · FOUNDATION TO ADVANCED

Xops Advanced Training agenda

45 topics. Each level builds on the one before it, so this curriculum lists every earlier level in full. Days are for corporate (day-wise) delivery; live online batches cover the same agenda in max 8-10 hours.

DAY 1 — Foundation: XOps philosophy, DevOps principles and cloud basics

Included from Foundation

1. Introduction to XOps: philosophy, history and benefits of applying operations discipline across domains
2. The Ops family: DevOps, DevSecOps, DataOps, MLOps, AIOps, FinOps and GitOps and what each optimises
3. Understanding DevOps: CALMS, the Three Ways and how DevOps practices underpin the XOps framework
4. Value streams: mapping flow from idea to production and finding handoffs and waiting time
5. Measuring delivery: DORA metrics for deployment frequency, lead time, change failure rate and recovery time
6. Introduction to cloud computing: IaaS, PaaS and SaaS, regions, shared responsibility and pricing models
7. Virtualization and containerization: VMs versus containers and why containers suit XOps
8. Collaboration foundations: Git workflows, pull requests and trunk-based development
9. Toolchain overview: version control, CI/CD, infrastructure as code, observability and security tools
10. Culture and teams: product teams, platform teams, blameless post-incident reviews and shared ownership
11. First pipeline: a simple build-and-test workflow triggered by a commit

DAY 2 — Essential: CI/CD, cloud-native, Kubernetes and infrastructure as code

Included from Essential

12. Continuous integration and continuous delivery: automation, pipelines, artifacts and deployment strategies in XOps
13. Pipeline tooling: GitHub Actions, GitLab CI and Jenkins stages, runners and secrets
14. Containers: Dockerfiles, image builds, registries and image tagging
15. Cloud-native architectures: microservices, twelve-factor apps and how they enable XOps
16. Kubernetes and container orchestration: Deployments, Services, scaling and self-healing automation
17. Automation and infrastructure as code: IaC principles with Terraform and configuration with Ansible
18. GitOps: declarative environments, Argo CD or Flux and pull-based deployment
19. Release strategies: blue-green, canary and feature flags for safer changes
20. Observability basics: metrics, logs and traces with Prometheus, Grafana and OpenTelemetry
21. Environment management: dev, test and production parity and ephemeral environments
22. Secrets handling: keeping credentials out of code with a secrets manager

DAY 3 — Intermediate: SecOps, DataOps, MLOps, AIOps and FinOps practices

Included from Intermediate

23. Introduction to SecOps: principles, practices and tools and their role in XOps
24. Security testing and compliance: SAST, SCA, DAST, container and IaC scanning in pipelines
25. Policy as code: Open Policy Agent or Kyverno guardrails and audit evidence for compliance
26. Introduction to DataOps: principles, practices and tools and their role in XOps
27. Data management in XOps: data modelling, storage choices and analysis workflows
28. Data pipelines: orchestration with Apache Airflow, transformations with dbt and data quality tests
29. MLOps: experiment tracking, model registry and automated training and deployment with MLflow
30. AIOps: anomaly detection, event correlation and noise reduction in alerting

31. FinOps: cost allocation with tags, showback, rightsizing and unit economics
32. Incident management: on-call, runbooks, incident command and post-incident reviews
33. Integrating the practices: one pipeline that carries security, data and model checks

DAYS 4-5 **Advanced: Platform engineering, governance, scale and case studies** — New at this level

34. Platform engineering: internal developer platforms, golden paths and self-service with Backstage
35. Site reliability engineering: SLIs, SLOs, error budgets and reliability reviews
36. Unified observability: correlating delivery, data, model and cost signals in one view
37. Governance at scale: guardrails versus gates, audit automation and regulatory alignment
38. Supply chain security: SBOMs, signed artifacts with Sigstore and SLSA provenance
39. FinOps maturity: forecasting, commitment planning and cost-aware architecture decisions
40. Multi-cloud and hybrid operations: consistency, portability and policy across providers
41. Operating model design: team topologies, platform and enabling teams and ownership boundaries
42. Measuring XOps success: outcome metrics, developer experience and business value
43. XOps case studies: examples of implementations across industries and lessons learned
44. Transformation roadmap: assessing maturity, prioritising improvements and leading change
45. Capstone: an XOps blueprint for an organisation covering delivery, security, data, ML and cost

PRACTICE

Hands-on labs

You build these yourself during the course, guided by the trainer.

FOUNDATION

Map a value stream and first pipeline

Map the delivery value stream of a small application, identify bottlenecks and create a first CI workflow that builds and tests it on every commit.

ESSENTIAL

Deliver an app to Kubernetes with GitOps

Provision a Kubernetes cluster with Terraform, containerise an application and deploy it through a CI pipeline and Argo CD with a canary release.

INTERMEDIATE

Add security and data checks to pipelines

Extend a delivery pipeline with SAST, dependency and container scans, a policy gate and a data quality test for an Airflow and dbt data pipeline.

ADVANCED

Capstone: design an XOps operating model

Assess a case organisation, design its platform, guardrails, SLOs and cost controls, and present a phased XOps adoption roadmap with metrics.

HOW YOU CAN LEARN

Formats and fees

The same agenda in four formats. Fees are in Indian rupees as of November 2026; the course page shows them in your currency.

FORMAT	DURATION	WHAT YOU GET	FEE
Live & interactive (online)	Max 8-10 hours	Instructor-led public batch of max 10 learners with demos, labs, Q&A and assignment review. Weekday batches start on the 1st of every month, weekend batches on the first Saturday of every month.	**INR 34,999**
1:1 live training (online)	Max 8-10 hours, one-to-one	The same agenda, taught one-to-one by the trainer. Starts immediately, without waiting for the next batch; sessions planned around your working hours, at your pace.	**INR 99,999**
Self-paced video	1-year LMS access	All four Xops levels, plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate (day-wise)	5 days for this level	A private batch for your team, on demand. Foundation 1 day, Essential 2, Intermediate 3, Advanced 5 (cumulative).	**Quote on request**

ASSESSMENT AND CERTIFICATE

Your progress is checked through hands-on labs and assignments at every level. On completion you receive a DevOpsSchool certificate of completion with a unique credential ID that anyone can verify at devopsschool.com/certificates.

INCLUDED WITH EVERY LIVE BATCH

- Every live session is recorded and stays in your LMS for a year.
- Can't attend your batch? Move to next month's batch.
- Free demo class before you pay.
- Free 10-15 minute call with an advisor or the trainer to check the course fits you.

YOUR TRAINER

Learn from Rajesh Kumar

Principal Architect, trainer and mentor in DevOps, SRE, DevSecOps and platform engineering, with 20 years across 8+ software MNCs, including Staff DevOps/SRE Engineer for a leading Japanese mobile-payment platform and Principal DevOps Architect and Manager in Europe.

Profile: www.rajeshkumar.xyz · Videos: youtube.com/@TheDevOpsSchool

20 years in industry	**200+** corporate trainings
10,000+ engineers mentored	**70+** organisations coached

REVIEWS

What learners say

Rated 4.6 on Google · more reviews at devopsschool.com/testimonials and in our video testimonials.

> “Rajesh is very good trainer. Rajesh was able to resolve our queries and question effectively. We really liked the hands-on examples covered during this training program.”
>
> Indrayani, India

> “The training was very useful and interactive. Rajesh helped develop the confidence of all.”
>
> Abhinav Gupta, Pune

START YOUR XOPS TRAINING

Join the next batch

Weekday batches start on the 1st of every month and weekend batches on the first Saturday of every month, with max 10 learners each. 1:1 training can start immediately; corporate batches run on demand. We reply within 1 hour.

Pay by UPI, credit and debit cards, net banking or PayPal. Before you pay, read our refund policy. All levels of this course: www.devopsschool.com/courses/xops/

ENROL OR RESERVE A SEAT
Xops Advanced Training

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