DevOpsSchool

Course curriculum · November 2026

DEVOPS · TRAINING PROGRAM

DevOps Advance with Kubernetes, Prometheus, ELK, Grafana, ArgoCd Training

A practical, hands-on DevOps Advance with Kubernetes, Prometheus, ELK, Grafana, ArgoCd Training curriculum: 72 topics over 5 days. Learn live online in a small batch, as a private corporate batch, or self-paced with one year of LMS access.

LIVE ONLINE **Max 8-10 hours**	CORPORATE **Private team batch, on demand**	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**

INSIDE THIS CURRICULUM

Who should attend	Objectives, audience, prerequisites
Agenda	72 topics over 5 days
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/devops/devops-advance.html
Talk to us: WhatsApp +91 99057 40781 · +1 (469) 756-6329 · contact@DevOpsSchool.com · reply within 1 hour

COURSE FIT

Who this program is for

Use this page to decide whether DevOps Advance with Kubernetes, Prometheus, ELK, Grafana, ArgoCd Training matches your role and experience.

1

Objectives

Understand the core concepts and usage model, apply practical workflows through examples and guided tasks, and prepare for implementation, certification or team adoption.

2

Who should attend

Developers, DevOps engineers, administrators, SREs, security engineers, platform teams, release teams, technical leads and corporate teams working with this topic.

3

Before you start

Basic computer literacy and awareness of software, operations, cloud, DevOps or security workflows is helpful. Deep programming experience is not needed unless the topic requires it.

AGENDA AT A GLANCE · 72 TOPICS OVER 5 DAYS

Day 1
15 topics · Welcome and Registration

Day 2
21 topics · Definition of DevOps

Day 3
12 topics · Registration and Welcome

Day 4
12 topics · Registration and Welcome

Day 5
12 topics · Registration and Welcome

AGENDA · 72 TOPICS OVER 5 DAYS

DevOps Advance with Kubernetes, Prometheus, ELK, Grafana, ArgoCd Training agenda

Days are for corporate (day-wise) delivery; live online batches cover the agenda in max 8-10 hours.

DAY 1

15 topics

1. Welcome and Registration
2. Course Overview and Objectives
3. Understanding containerization and container orchestration
4. Kubernetes fundamentals and architecture
5. Installation and setup of a Kubernetes cluster
6. Creating and deploying pods, services, and deployments
7. Service discovery and load balancing
8. Scaling applications in Kubernetes
9. ConfigMaps and Secrets for configuration management
10. StatefulSets for managing stateful applications
11. Pod affinity and anti-affinity
12. Taints and tolerations for node-specific configurations
13. Kubernetes networking models
14. Network policies for security
15. Securing access to the Kubernetes API

DAY 2

21 topics

16. Definition of DevOps
17. DevOps Culture and Collaboration
18. Key DevOps Principles (CI/CD, Automation, Feedback Loop)
19. What is Prometheus?
20. Features and Benefits
21. Prometheus Architecture
22. Installing Prometheus
23. Configuring Prometheus
24. Basic PromQL Queries
25. Exporters and Instrumentation Libraries
26. Collecting Metrics
27. Best Practices for Instrumentation
28. Defining Alerts and Alert Rules
29. Alertmanager Configuration
30. Hands-on: Configuring Alerts
31. Introduction to Grafana
32. Integrating Prometheus with Grafana
33. Creating Dashboards

34. Handling High Cardinality
35. Federation and Remote Storage
36. Backup and Recovery

DAY 3 — 12 topics

37. Registration and Welcome
38. Introduction to Advanced DevOps and the ELK Stack
39. The Role of ELK in DevOps
40. Understanding Elasticsearch, Logstash, and Kibana
41. Log Management and Analysis Best Practices with ELK
42. Ingesting and Parsing Data with Logstash
43. Advanced Elasticsearch Indexing and Searching
44. Monitoring and Alerting with the ELK Stack
45. Building Custom Log Processing Pipelines with Logstash
46. Real-World Case Studies: How Companies Use ELK in DevOps
47. Q&A Session
48. Workshop Conclusion and Networking

DAY 4 — 12 topics

49. Registration and Welcome
50. Introduction to Advanced DevOps and Grafana
51. The Role of Grafana in DevOps
52. Understanding Grafana: Features and Components
53. Building Effective Dashboards with Grafana
54. Data Sources and Plugins for Grafana
55. Advanced Visualization Techniques in Grafana
56. Alerting and Monitoring with Grafana
57. Building Custom Dashboards in Grafana
58. Real-World Case Studies: How Companies Use Grafana in DevOps
59. Q&A Session
60. Workshop Conclusion and Networking

DAY 5 — 12 topics

61. Registration and Welcome
62. Introduction to Advanced DevOps and ArgoCD
63. Understanding the Role of ArgoCD in DevOps
64. Exploring ArgoCD Architecture and Components
65. Application Management with ArgoCD
66. GitOps Workflows and Best Practices

67. Handling Configurations and Secrets in ArgoCD
68. CI/CD Pipeline Integration with ArgoCD
69. Setting Up and Managing Applications in ArgoCD
70. Real-World Case Studies: How Companies Use ArgoCD in DevOps
71. Q&A Session
72. Workshop Conclusion and Networking

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	This program plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate	Planned with your team	A private batch for your team, on demand, with examples mapped to your platforms.	**Quote on request**

ASSESSMENT AND CERTIFICATE

Your progress is checked through hands-on tasks and assignments. 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 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 courses: www.devopsschool.com/courses/

ENROL OR RESERVE A SEAT
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