DevOpsSchool

Course curriculum · November 2026

MICROSERVICES AND CONTAINERS · TRAINING PROGRAM

Deep Dive into Microservices Training

A practical, hands-on Deep Dive into Microservices Training curriculum: 74 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	74 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/microservice/deep-dive-into-microservices.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 Deep Dive into Microservices 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 · 74 TOPICS OVER 5 DAYS

Day 1
19 topics · Understanding Microservices

Day 2
8 topics · Transactional messaging

Day 3
10 topics · Deployment patterns

Day 4
17 topics · Communication style

Day 5
20 topics · Observability

AGENDA · 74 TOPICS OVER 5 DAYS

Deep Dive into Microservices Training agenda

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

DAY 1

19 topics

1. Understanding Microservices
2. What are microservices?
3. The pattern language is your guide
4. Avoid the potholes
5. Assess your architecture
6. Application architecture patterns
7. Monolithic architecture
8. Microservice architecture
9. Decomposition
10. Decompose by business capability
11. Decompose by subdomain
12. Data management
13. Database per Service
14. Shared database
15. Saganew
16. API Compositionnew
17. CQRS
18. Domain event
19. Event sourcing

DAY 2

8 topics

20. Transactional messaging
21. Transactional outbox
22. Transaction log tailing
23. Polling publisher
24. Testing
25. Service Component Test
26. Consumer-driven contract test
27. Consumer-side contract test

DAY 3

10 topics

28. Deployment patterns
29. Multiple service instances per host
30. Service instance per host
31. Service instance per VM

32. Service instance per Container
33. Serverless deployment
34. Service deployment platform
35. Cross cutting concerns
36. Microservice chassis
37. Externalized configuration

DAY 4

17 topics

38. Communication style
39. Remote Procedure Invocation
40. Messaging
41. Domain-specific protocol
42. External API
43. API gateway
44. Backend for front-end
45. Service discovery
46. Client-side discovery
47. Server-side discovery
48. Service registry
49. Self registration
50. 3rd party registration
51. Reliability
52. Circuit Breaker
53. Security
54. Access Token

DAY 5

20 topics

55. Observability
56. Log aggregation
57. Application metrics
58. Audit logging
59. Distributed tracing
60. Exception tracking
61. Health check API
62. Log deployments and changesnew
63. UI patterns
64. ECS
65. ECR
66. SQS
67. SNS

68. SES
69. CloudFront
70. Dynamod DB
71. kinesys
72. AWS Lambda
73. Docker
74. Kubernetes

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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