DevOpsSchool

Course curriculum · November 2026

LEVEL 01 OF 04 · FOUNDATION

Microservices And Containers Foundation Training

Explain microservice fundamentals, set up the core development tool set and run your first services in Docker containers.

LIVE ONLINE **Max 8-10 hours**	CORPORATE (DAY-WISE) **1 day · Day 1**	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 1 day · This curriculum	**Essential** 2 days · Next step	**Intermediate** 3 days · Later	**Advanced** 5 days · Later

INSIDE THIS CURRICULUM

What you will achieve	Outcomes and level focus
Who should attend	Audience and prerequisites
Agenda	13 topics · Foundation
Hands-on labs	1 lab
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/microservices-and-containers-foundation-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 Microservices And Containers course path, you will be able to:

1

Design containerised microservices

Apply microservice patterns and protocols to design services that run cleanly in containers.

2

Automate delivery end to end

Take services from Git through Jenkins, SonarQube, Ansible, Docker and Helm onto Kubernetes.

3

Operate with full observability

Run services with Envoy, Istio and Consul networking and monitor them in Datadog, New Relic and Splunk.

WHAT THE FOUNDATION LEVEL ADDS

Microservice fundamentals, tool sets and Docker basics

Hands-on: Run your first containerised service. Install Docker, run a database and a small web service in containers and sketch the three-service student system design.

WHO SHOULD ATTEND

- Beginners and working professionals who are new to Microservices And Containers and want a solid, hands-on start.
- Engineers, analysts, testers and students preparing to use Microservices And Containers on real work.
- Leads and managers who want first-hand familiarity with Microservices And Containers.

BEFORE YOU START

- No prior Microservices And Containers experience is needed.
- 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

Microservices And Containers Foundation Training agenda

13 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: Microservice fundamentals, tool sets and Docker basics

New at this level

1. Evolution of software development, model and practices: waterfall, Agile, DevOps, DevSecOps, SRE and TDD
2. Introduction and evolution of microservices: from monoliths and SOA to cloud-native services
3. Microservices fundamentals: what is a microservice, what are the benefits and typical use cases
4. Common technologies employed in microservices: REST, JSON, XML and AMQP
5. The architecture of a microservice: presentation components, business logic, database access logic and application integration
6. Microservices architecture: design principles and design approach for service boundaries
7. Software development tool sets: overview of Git, Jira and GitHub
8. Languages and frameworks: overview of Core Java and Spring Boot, Python, Flask and Django
9. Supporting stack: overview of MySQL, JUnit and Selenium, and HTML, CSS and JS
10. Build and runtime: overview of Maven, Gradle, Apache and Tomcat
11. Overview of Docker: Docker architecture, Docker installing and configuration
12. Working with containers: docker run, ps, logs, exec, stop and inspect
13. Project brief: a student system with login, registration and records CRUD services and how it maps to microservices

PRACTICE

Hands-on labs

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

FOUNDATION

Run your first containerised service

Install Docker, run a database and a small web service in containers and sketch the three-service student system design.

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 Microservices And Containers levels, plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate (day-wise)	1 day 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 MICROSERVICES AND CONTAINERS 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/microservice/

ENROL OR RESERVE A SEAT
Microservices And Containers Foundation Training

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Next step after this level: Microservices And Containers Essential Training - Code three microservices in Spring Boot or Python, version them in Git and package and run the whole stack with Docker Compose.