DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

Continuous Testing Advanced Training

Lead a continuous testing strategy across many services, test safely in production and measure test effectiveness.

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	40 topics · Foundation to Advanced
Hands-on labs	4 labs
Formats and fees	Live, 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/continuous-testing/continuous-testing-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 Continuous Testing course path, you will be able to:

1

Automate tests in CI

Write and run unit, API and UI tests with reports on every commit.

2

Build quality gates

Add contract, performance, security and accessibility tests that gate releases.

3

Lead testing strategy

Design risk-based continuous testing that extends safely into production.

WHAT THE ADVANCED LEVEL ADDS

Testing strategy at scale and in production

Hands-on: Continuous testing strategy capstone. Design and partly implement a continuous testing strategy for a microservices product, including production checks and effectiveness metrics.

WHO SHOULD ATTEND

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

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Add contract, performance, security, accessibility and visual tests to pipelines and gate releases on combined results.
- 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

Continuous Testing Advanced Training agenda

40 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: Testing strategy and automated tests in CI

Included from Foundation

1. Continuous testing: testing at every pipeline stage, shift-left and shift-right
2. Test pyramid: unit, integration, API, UI and end-to-end tests and their balance
3. Automated test types: unit, integration, system and functional tests
4. Frameworks: JUnit 5, TestNG, pytest and Jest
5. First tests: writing unit tests and running them in the build
6. CI integration: integrating automated testing with CI on every commit
7. Test reports: JUnit XML and Allure reports
8. Defect-driven tests: writing tests for defects to prevent regressions
9. Test code quality: version control, naming and readable assertions
10. Testing roles: developers, testers and SDETs in a continuous testing team

DAY 2 — Essential: API, UI, data and environments

Included from Essential

11. API testing: REST Assured, Postman with Newman and schema validation
12. UI testing: Selenium 4 WebDriver and Grid, Playwright and Cypress
13. Test data: fixtures, factories, synthetic data and masking
14. Test environments: Testcontainers, Docker Compose and ephemeral environments
15. BDD: Cucumber and Gherkin scenarios
16. Test doubles: mocking with Mockito and service virtualization with WireMock
17. Speed: parallel execution and sharding
18. Coverage in pipelines: JaCoCo, coverage.py and thresholds
19. Flaky tests: detection, quarantine and root causes
20. Test pipelines: stages in Jenkins, GitHub Actions and GitLab CI

DAY 3 — Intermediate: Contract, performance, security and gates

Included from Intermediate

21. Contract testing: Pact consumer-driven contracts, the broker and can-i-deploy
22. Performance testing in CI: k6, JMeter and Gatling with thresholds
23. Security testing: OWASP ZAP DAST, SAST and dependency scanning
24. Accessibility testing: axe-core and Lighthouse CI
25. Visual regression: Playwright screenshot comparison and review tools
26. Mobile testing: Appium and device farms
27. Test impact analysis: selecting tests affected by a change
28. Quality gates: combining tests, coverage and analysis to block releases
29. Test observability: dashboards, trends and failure analysis
30. Troubleshooting: environment issues, timing problems and test isolation

DAYS 4-5 **Advanced: Testing strategy at scale and in production** — New at this level

31. Strategy at scale: risk-based testing and portfolio balance
32. Shift-right: synthetic monitoring, canary analysis and testing in production with feature flags
33. Resilience testing: chaos experiments in pipelines
34. Microservices testing: component, contract and end-to-end balance
35. Test infrastructure: Selenium Grid on Kubernetes and cloud browser grids
36. Mutation testing: PIT and Stryker
37. AI-assisted testing: test generation and self-healing locators, benefits and risks
38. Metrics and governance: escaped defects, test effectiveness and change failure rate
39. Enablement: building a testing community of practice
40. Capstone: continuous testing strategy for a microservices product

PRACTICE

Hands-on labs

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

FOUNDATION

Run tests on every commit

Add unit tests to a small service, run them in a CI pipeline on every push and publish JUnit and Allure reports.

ESSENTIAL

Build a layered test pipeline

Create unit, API and Playwright UI test stages that run in parallel against a Testcontainers environment with test data seeding.

INTERMEDIATE

Gate a release on quality signals

Add Pact, k6 and ZAP stages to a pipeline and block deployment unless contracts, performance and security thresholds all pass.

ADVANCED

Continuous testing strategy capstone

Design and partly implement a continuous testing strategy for a microservices product, including production checks and effectiveness metrics.

HOW YOU CAN LEARN

Formats and fees

The same agenda in three 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**
Self-paced video	1-year LMS access	All four Continuous Testing 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). 1:1 training is also available on demand.	**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 CONTINUOUS TESTING 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. Corporate and 1:1 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/continuous-testing/

ENROL OR RESERVE A SEAT
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