DevOpsSchool

Course curriculum · November 2026

LEVEL 01 OF 04 · FOUNDATION

Testing Automation Foundation Training

Understand what to automate, set up a test project and write your first unit and browser tests that run from the command line.

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	Essential	Intermediate	Advanced
1 day · This curriculum	2 days · Next step	3 days · Later	5 days · Later

INSIDE THIS CURRICULUM

What you will achieve	Outcomes and level focus
Who should attend	Audience and prerequisites
Agenda	11 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/testing/testing-automation-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 Testing Automation course path, you will be able to:

1

Automate tests across layers

Write maintainable unit, API and UI tests with Page Objects, fixtures and tagged suites.

2

Containerise test environments

Use Docker images, Dockerfiles, registries and networks to create repeatable, disposable test environments.

3

Run tests in pipelines

Run parallel suites in CI with reports and quality gates, and troubleshoot failing or flaky tests.

WHAT THE FOUNDATION LEVEL ADDS

Test automation concepts, tools and first tests

Hands-on: Write and run your first automated tests. Create a Git repository with a small unit test suite and one browser test against a demo web app, run both from the command line and read the report.

WHO SHOULD ATTEND

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

BEFORE YOU START

- No prior Testing Automation 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

Testing Automation Foundation Training agenda

11 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: Test automation concepts, tools and first tests

New at this level

1. Test automation fundamentals: why automate, return on effort, what to automate and what to keep manual
2. Test pyramid: unit, integration, API, UI and end-to-end tests and their speed and maintenance trade-offs
3. Testing types: functional, regression, smoke, sanity, performance and security tests in a delivery pipeline
4. Tool landscape: JUnit 5, TestNG, pytest, Selenium WebDriver, Playwright, Cypress, REST Assured and Postman
5. Environment setup: JDK 21 or Python 3.12, Maven or pip, IntelliJ IDEA or VS Code and Git
6. First unit test: arrange-act-assert, assertions and running mvn test or pytest from the terminal
7. Locators: id, name, CSS selectors, XPath and role-based locators for reliable web UI tests
8. First UI test: launching a browser with Selenium WebDriver or Playwright and verifying page content
9. Fixtures and test data: setup and teardown, parameterised tests and keeping tests independent
10. Reading results: test reports, failures versus errors and why flaky tests destroy trust
11. Tests as code: Git repository layout, branching and code review for automation projects

PRACTICE

Hands-on labs

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

FOUNDATION

Write and run your first automated tests

Create a Git repository with a small unit test suite and one browser test against a demo web app, run both from the command line and read the report.

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 Testing Automation 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 TESTING AUTOMATION 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/testing/

ENROL OR RESERVE A SEAT
Testing Automation Foundation Training

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Next step after this level: Testing Automation Essential Training - Install Docker, run containerised test dependencies and Selenium browsers, and structure UI and API suites for everyday regression runs.