DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

Postman Advanced Training

Run an enterprise API quality practice with contract and performance tests, governance rules, secure secrets and large-scale automation.

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	48 topics · Foundation to Advanced
Hands-on labs	4 labs
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/postman/postman-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 Postman course path, you will be able to:

1

Test APIs with confidence

Send, inspect and assert REST, GraphQL, gRPC and WebSocket requests with Postman.

2

Automate API testing in CI

Run data-driven Postman collections with Newman or the Postman CLI in CI/CD pipelines.

3

Lead API quality at scale

Apply contract tests, performance runs, mocks, monitors and governance across teams.

WHAT THE ADVANCED LEVEL ADDS

Contract, performance, governance and enterprise scale

Hands-on: Build an API quality gate. Combine contract, functional and performance runs for a multi-service API into a CI quality gate with governance checks and published reports.

WHO SHOULD ATTEND

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

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Automate API tests in CI with Newman and the Postman CLI, mock and monitor APIs, and test GraphQL, gRPC and WebSocket services.
- 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

Postman Advanced Training agenda

48 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: API basics, Postman setup and first requests

Included from Foundation

1. API fundamentals: REST, HTTP methods, status codes, headers, path and query parameters, JSON payloads
2. Postman overview: desktop and web apps, the Postman Agent, accounts and personal, team and public workspaces
3. Installation and settings: Postman on Windows, macOS and Linux, proxy settings and SSL certificate options
4. First request: GET requests and the response body, headers, cookies, status, time and size panes
5. Sending data: POST, PUT, PATCH and DELETE with raw JSON, form-data, x-www-form-urlencoded and file uploads
6. Collections and folders: organising, saving, duplicating and describing requests
7. Authorization basics: API Key, Basic Auth and Bearer Token, and inheriting auth from the collection
8. History and Postman Console: request history and viewing raw requests and responses for debugging
9. Code snippets: generating cURL, Python requests, JavaScript fetch and other client code
10. Importing APIs: importing cURL commands, OpenAPI definitions and existing collections

DAY 2 — Essential: Variables, environments, scripts and tests

Included from Essential

11. Variables: global, collection, environment, local and data scopes, initial vs current values, double-brace syntax
12. Environments: dev, staging and production environments, switching and sharing them with a team
13. Secrets handling: the secret variable type, Postman Vault and keeping API keys out of shared workspaces
14. Pre-request scripts: timestamps, signatures and dynamic data with pm.variables and dynamic variables like $randomEmail
15. Post-response tests: pm.test and pm.expect assertions on status, headers, response time and body
16. Chaining requests: extracting tokens and ids from responses with pm.environment.set and pm.collectionVariables
17. Schema validation: asserting JSON responses with pm.response.to.have.jsonSchema
18. OAuth 2.0: authorization code with PKCE, client credentials, token refresh and auto-refresh in Postman
19. Collection Runner: running folders, iterations, delays and data-driven runs with CSV and JSON files
20. Team collaboration: team workspaces, roles, comments, forking collections and pull requests
21. Documentation: generating and publishing collection documentation with saved examples and Markdown descriptions
22. Postbot: AI assistance to draft tests, document requests and visualise responses, with human review

DAY 3 — Intermediate: Newman, CI pipelines, mocks, monitors and protocols

Included from Intermediate

23. Newman: running collections from the CLI with environments, data files and cli, junit and htmlextra reporters
24. Postman CLI: postman login, postman collection run and API governance checks in pipelines
25. CI/CD integration: running API tests in GitHub Actions, GitLab CI, Jenkins and Azure Pipelines
26. Mock servers: creating mocks from saved examples, matching rules and private mocks for front-end teams
27. Monitors: scheduled collection runs, regions, alerts to email or Slack and uptime tracking

28. API design: editing OpenAPI 3 definitions in Postman and generating collections from specifications
29. Workflow scripting: pm.sendRequest, pm.execution.setNextRequest for conditional flows and skipping requests
30. Reusable scripts: the Postman package library and pm.require for shared test helpers
31. Other protocols: GraphQL queries and introspection, gRPC, WebSocket, Socket.IO and MQTT requests
32. Visualizer: rendering response data as tables and charts with pm.visualizer.set
33. Security testing basics: auth bypass checks, input fuzzing with data files, security headers and TLS checks
34. Debugging: Postman Console, network logs, proxy and Interceptor capture of browser traffic, certificate errors
35. Version control: forking and merging, GitHub and GitLab integrations and collection changelogs

DAYS 4-5 **Advanced: Contract, performance, governance and enterprise scale** **New at this level**

36. API test architecture: contract, functional, integration and regression suites, structuring collections for large APIs
37. Contract testing: validating responses against OpenAPI schemas and catching breaking changes before release
38. Performance testing: Postman performance runs with virtual users, fixed, ramp-up and spike profiles and metrics
39. Postman Flows: building low-code API workflows and automations
40. API governance: security and style rules, linting specifications and requests, team style guides
41. Enterprise administration: SSO, SCIM provisioning, roles and permissions, audit logs and the Private API Network
42. Secrets at scale: Postman Vault with external vaults such as Azure Key Vault, HashiCorp Vault or AWS Secrets Manager
43. Scaling automation: parallel Newman runs, sharding collections, test data management and environment strategy
44. Reporting: JUnit and HTML reports, publishing results to CI dashboards and tracking trends
45. Microservices testing: chaining services, mocking unavailable dependencies, asynchronous and event-driven APIs
46. Testing AI APIs: LLM endpoints, streaming responses and MCP servers with Postman's AI and MCP request types
47. Migration: moving from SoapUI, Insomnia or scripted tests into Postman, importing WSDL and SOAP services
48. Capstone: design, test, mock, monitor and govern an API end to end with a CI quality gate

PRACTICE

Hands-on labs

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

FOUNDATION

Build your first API collection

Create a collection for a public REST API with folders for each resource, sending GET, POST, PUT and DELETE requests with authentication.

ESSENTIAL

Test a CRUD API end to end

Build a collection that logs in, stores the token, creates, reads, updates and deletes a resource, and asserts every response with tests.

INTERMEDIATE

Run API tests in a CI pipeline

Export the CRUD collection and environment, run it with Newman or the Postman CLI in GitHub Actions or Jenkins, and publish JUnit results.

ADVANCED

Build an API quality gate

Combine contract, functional and performance runs for a multi-service API into a CI quality gate with governance checks and published reports.

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 Postman 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).	**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 POSTMAN 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/postman/

ENROL OR RESERVE A SEAT
Postman Advanced Training

WHATSAPP · INDIA
+91 99057 40781

WHATSAPP · USA
+1 (469) 756-6329

EMAIL
contact@DevOpsSchool.com