DevOpsSchool

Course curriculum · November 2026

JAVA · TRAINING PROGRAM

# J2EE Programming Training

A practical, hands-on J2EE Programming Training curriculum: 79 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**<br>Max 8-10 hours | **CORPORATE**<br>Private team batch, on demand | **SELF-PACED VIDEO**<br>1-year LMS access |
| **BATCH SIZE**<br>Max 10 learners | **NEXT BATCHES**<br>1st of every month · weekends: first Saturday | **CERTIFICATE**<br>Verifiable certificate of completion |

## INSIDE THIS CURRICULUM


| | |
|---|---|
| Who should attend | Objectives, audience, prerequisites |
| Agenda | 79 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/java/j2ee-programming.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 J2EE Programming 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 · 79 TOPICS OVER 5 DAYS

**Day 1**
22 topics · Web Application Basics

**Day 2**
11 topics · JSP Overview

**Day 3**
10 topics · State and Session Management in JEE

**Day 4**
15 topics · Introduction to REST

**Day 5**
21 topics · JAX-RS content handlers The Basics

AGENDA · 79 TOPICS OVER 5 DAYS

# J2EE Programming Training agenda

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

## DAY 1

22 topics

1. Web Application Basics
2. How the Web works, Thin Clients, TCP/IP
3. HTTP overview, Brief HTML review
4. Overview of Java EE, servlets & Web applications.
5. Servlet Basics Servlet API
6. HTML Forms
7. HTTP: Request-response, headers, GET, POST
8. Overview: How Servlets Work
9. Servlet Lifecycle: init(), service(), destroy()
10. Requests and responses
11. Core Servlet API
12. GenericServlet
13. ServletRequest, and ServletResponse
14. HTTP Servlets
15. HttpServlet
16. HttpServletRequest and HttpServletResponse
17. Accessing Parameters
18. Servlet to Servlet Communication
19. Request Dispatcher
20. SendRedirect
21. Setting up and working with InitParameters for ServletConfig object
22. Setting up and working with ContextParameters for ServletContext object

## DAY 2

11 topics

23. JSP Overview
24. JSP architecture
25. JSP tags and JSP expressions
26. Fixed Template Data
27. Lifecycle of a JSP
28. JSP without Java
29. JSP Expression Language (EL)
30. The JSP Action Tags
31. Model View Controller (MVC)
32. Model 1/Model 2 Architecture
33. Using servlets and JSP together to create an MVC application

## DAY 3

10 topics

34. State and Session Management in JEE
35. What is state and why do we care?
36. Cookies Overview
37. API
38. Using cookies
39. HttpSession
40. Putting data into a session object
41. Retrieving data from a session object
42. Using session data in servlets and JSPs
43. Restful services using JAX-RS

## DAY 4

15 topics

44. Introduction to REST
45. REST and the Rebirth of HTTP
46. RESTful Architectural Principles
47. Designing restful services
48. The Object Model
49. Model the URIs
50. Defining the Data Format
51. Assigning HTTP Methods
52. Your first restful service
53. Developing a JAX-RS RESTful Service
54. Deploying Our Service
55. HTTP method and URI matching
56. Binding HTTP Methods
57. @Path
58. Sub-resource Locators

## DAY 5

21 topics

59. JAX-RS content handlers The Basics
60. @PathParam
61. @MatrixParam
62. @QueryParam
63. @FormParam
64. @HeaderParam
65. @CookieParam
66. Common Functionality
67. Built-in Content Marshalling

68. JAXB
69. Custom Marshalling
70. Responses
71. Default Response Codes
72. Complex Responses
73. Exception Handling
74. Content negotiation
75. Conneg Explained
76. Language Negotiation
77. Encoding Negotiation
78. JAX-RS and Conneg
79. Leveraging Content Negotiation

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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WHATSAPP · INDIA
**+91 99057 40781**

WHATSAPP · USA
**+1 (469) 756-6329**

EMAIL
**contact@DevOpsSchool.com**

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