DevOpsSchool

Course curriculum · November 2026

DEVOPS · CERTIFICATION-FOCUSED PROGRAM

DevSecOps Certified Professional Online Training

A practical, hands-on DevSecOps Certified Professional Online Training curriculum: 176 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 **Max 8-10 hours**	CORPORATE **Private team batch, on demand**	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**

INSIDE THIS CURRICULUM

Who should attend	Objectives, audience, prerequisites
Agenda	176 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/devops/dev-sec-ops.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 DevSecOps Certified Professional Online 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 · 176 TOPICS OVER 5 DAYS

Day 1
64 topics · Understanding DevOps

Day 2
37 topics · Understanding Application & Infrastructure Security

Day 3
25 topics · Dynamic Application Security Testing (DAST)

Day 4
22 topics · Runtime application self-protection (RASP)

Day 5
28 topics · Chef InSpec - For Scanning your applications and infrastructure

AGENDA · 176 TOPICS OVER 5 DAYS

DevSecOps Certified Professional Online Training agenda

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

DAY 1

64 topics

1. Understanding DevOps
2. Understanding the software consumption trends
3. Trends of software consumption in Past
4. Software Development Model in past
5. Trends of software consumption in Present day
6. Software Development Model in Present day
7. Challenges associated
8. Challenges for Large Organization
9. What is DevOps?
10. Vision and Directions of DevOps
11. Unify multiple platforms
12. Automated BuildsDevOps is a Philosophy
13. Business Benefits
14. Non-Functional Benefits
15. Introducing DevOps Automation
16. Collaboration Tools
17. Planning Tools
18. Issue Tracking Tools
19. Monitoring Tools
20. Configuration Management Tools
21. Dev Environment Tools
22. Source Control Tools
23. Build Automation Tools
24. Packaging Management Tools
25. Continuous Integration Tools
26. Continuous Delivery Tools
27. Rep Management Tools
28. Understanding Cloud Security
29. Introduction
30. Strong Passwords
31. Social Engineering
32. Cyber Security
33. Phishing/Spear Phishing/Whaling
34. How Physical and Information Security Complement Each Other
35. Safer Digital Communications at Work
36. Malware at Work

37. Mobile Device Security
38. Security for Cloud Services
39. Identifying Personally Identifiable Information
40. Better Security on the Road
41. Brief Overview of Cloud Computing
42. Cloud Security Considerations
43. Security Best Practices for Clouds
44. Other Cloud Security Considerations
45. Conclusion
46. Problem that DevOps Solves
47. Organization Characteristics
48. Integration Complexity
49. Organization Pain
50. Identifying Waste
51. Making a DevOps Transition
52. Change Culture
53. Why?
54. Change Organization
55. Address Objections
56. Understanding Stereotypes
57. Myths about DevOps
58. DevOps Best Practices in DevOps
59. Agile Development
60. Test Driven Development
61. Continuous Integration
62. Continuous Delivery
63. Continuous Deployment
64. Microservices and Container world

DAY 2 37 topics

65. Understanding Application & Infrastructure Security
66. Overview
67. DevOps, Cloud, and Their Impact on Traditional Security Architecture
68. DevOps Security in Paas, Iaas, and Saas Environments
69. Traditional Software Development Security
70. Securing the DevOps Pipeline
71. Addressing 2018 OWASP Security Guidelines as Part of the CI/CD Pipeline
72. SaaS Security Concepts
73. PaaS Security Concepts
74. IaaS Security Concepts
75. Oracle CASB Cloud Security Demonstration

76. Securing Container Management and Orchestration Activities
77. Docker Container Overview
78. Docker Container Security Demonstration
79. Docker Architecture
80. Docker Hardening
81. AWS EC2 Container Services
82. Securing Kubernetes
83. Kubernetes Security Demonstration
84. Secure Container Management and Orchestration Module Summary
85. Securing PaaS, IaaS, and SaaS Development Environments
86. Organization Characteristics
87. Integration Complexity
88. Organization Pain
89. Identifying Waste
90. Securing Infrastructure as Code
91. Infrastructure as an API
92. Programming AWS EC2 with the AWS PHP SDK
93. AWS Command Line Interface
94. Static Application Security Testing (SAST) using OWASP SonarQube for Code Scanning
95. What is OWASP SonarQub?
96. Why we need OWASP SonarQub?
97. How OWASP SonarQub works!!!
98. How to install and configure OWASP SonarQub?
99. How to Configure OWASP SonarQub?
100. Basic workflow usage of OWASP SonarQub?
101. Advance workflow usage of OWASP SonarQub?

DAY 3 25 topics

102. Dynamic Application Security Testing (DAST)
103. Fortify Webinspect for Dynamic Application Security Testing (DAST)
104. What is Fortify Webinspect?
105. Why we need Fortify Webinspect?
106. How Fortify Webinspect works!!!
107. How to install and configure Fortify Webinspect?
108. How to Configure Fortify Webinspect?
109. Basic workflow usage of Fortify Webinspect?
110. Advance workflow usage of Fortify Webinspect?
111. AppScan on Cloud
112. What is AppScan?
113. Why we need AppScan?
114. How AppScan works!!!

115. How to install and configure AppScan?
116. Basic workflow usage of AppScan?
117. Advance workflow usage of AppScan?
118. AWS Security service - Understanding and Implementing Security aspect of AWS cloud.
119. Understanding Amazon Cognito and Basic use case scnario and workflow.
120. Understanding AWS Directory Service and Basic use case scnario and workflow.
121. Understanding AWS Identity & Access Management (IAM) and Basic use case scnario and workflow.
122. Understanding AWS Resource Access Manager and Basic use case scnario and workflow.
123. Understanding Amazon GuardDuty and Basic use case scnario and workflow.
124. Understanding Amazon Inspector and Basic use case scnario and workflow.
125. Understanding AWS Shield and Basic use case scnario and workflow.
126. Understanding AWS Key Management Service (KMS) and Basic use case scnario and workflow.

DAY 4 22 topics

127. Runtime application self-protection (RASP)
128. Twistkock - Understanding and Implementing Security aspect of Docker
129. What is Twistkock?
130. Why we need Twistkock?
131. How Twistkock works!!!
132. How to install and configure Twistkock?
133. Basic workflow usage of Twistkock?
134. Advance workflow usage of Twistkock?
135. Notary - Understanding and Implementing Security aspect of Kubernetes
136. What is Notary?
137. Why we need Notary?
138. How Notary works!!!
139. How to install and configure Notary?
140. Basic workflow usage of Notary?
141. Advance workflow usage of Notary?
142. NewRelic - Understanding and Implementing Security aspect of Java Virtual Machine
143. What is NewRelic?
144. Why we need NewRelic?
145. How NewRelic works!!!
146. How to install and configure NewRelic?
147. Basic workflow usage of NewRelic?
148. Advance workflow usage of NewRelic?

DAY 5 28 topics

149. Chef InSpec - For Scanning your applications and infrastructure
150. What is Chef InSpec?

151. Why we need Chef InSpec?
152. How Chef InSpec works!!!
153. How to install and configure Chef InSpec?
154. Basic workflow usage of Chef InSpec?
155. Advance workflow usage of Chef InSpec?
156. ELK - For Log analysis related to Security Threat.
157. What is ELK?
158. Why we need ELK?
159. How Chef ELK works!!!
160. How to install and configure ELK?
161. Basic workflow usage of ELK?
162. Advance workflow usage of ELK?
163. HashiCorp Vault - For security tool for certificates, API keys, or passwords
164. What is HashiCorp Vault?
165. Why we need HashiCorp Vault?
166. How Chef HashiCorp Vault works!!!
167. How to install and configure HashiCorp Vault?
168. Basic workflow usage of HashiCorp Vault?
169. Advance workflow usage of HashiCorp Vault?
170. Fortify Application Defender - For Runtime Application Security Testing (RAST)
171. What is Fortify Application Defender?
172. Why we need Fortify Application Defender?
173. How Chef Fortify Application Defender works!!!
174. How to install and configure Fortify Application Defender?
175. Basic workflow usage of Fortify Application Defender?
176. Advance workflow usage of Fortify Application Defender?

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/

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