

# Certified Application Security Engineer (.JAVA)

**Duration: 3 Days**

## Course Objectives:

- To ensure that application security is no longer an afterthought but a foremost one.
- To lay the foundation required by all application developers and development organizations, to produce secure applications with greater stability and fewer security risks to the consumer, therefore, making security a foremost thought.
- To ensure that the organizations mitigate the risk of losing millions due to security compromises that may arise with every step of application development process.
- To help individuals develop the habit of giving importance to security sacrosanct of their job role in the sdlc, therefore opening security as the main domain for testers, developers, network administrator etc.

## Target Audience:

- Java developers with a minimum of 2 years of experience and individuals who want to become application security engineers/ analysts/testers
- Individuals involved in the role of developing, testing, managing, or protecting wide area of applications

## Course Outline:

- Module 01: Understanding Application Security, Threats, and Attacks
- Module 02: Security Requirements Gathering
- Module 03: Secure Application Design and Architecture
- Module 04: Secure Coding Practices for Input Validation
- Module 05: Secure Coding Practices for Authentication and Authorization
- Module 06: Secure Coding Practices for Cryptography
- Module 07: Secure Coding Practices for Session Management
- Module 08: Secure Coding Practices for Error Handling
- Module 09: Static and Dynamic Application Security Testing (SAST & DAST)
- Module 10: Secure Deployment and Maintenance

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