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CASE
EC-Council

About The Course

The Certified Application Security Engineer (CASE) credential is developed in partnership with large application and software development experts globally.

The CASE credential tests the critical security skills and knowledge required throughout a typical software development life cycle (SDLC), focusing on the importance of the implementation of secure methodologies and practices in today's insecure operating environment.

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About The Course

The CASE certified training program is developed concurrently to prepare software professionals with the necessary capabilities that are expected by employers and academia globally.It is designed to be a hands-on, comprehensive application security course that will help software professionals create secure applications.

The training program encompasses security activities involved in all phases of the Software Development Lifecycle (SDLC): planning, creating, testing, and deploying an application.

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Duration: 24 hours / 3 days

About The Course

Unlike other application security training, CASE goes beyond just the guidelines on secure coding practices and includes secure requirement gathering, robust application design, and handling security issues in the post-development phases of application development.

This makes CASE one of the most comprehensive certifications on the market today. It is desired by software application engineers, analysts, testers globally, and respected by hiring authorities.

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Course Outline

01 Understanding Application Security, Threats, and Attacks

02 Security Requirements Gathering

03 Secure Application Design and Architecture

04 Secure Coding Practices for Input Validation

05 Secure Coding Practices for Authentication and Authorization

06 Secure Coding Practices for Cryptography

07 Secure Coding Practices for Session Management

08 Secure Coding Practices for Error Handling

09 Static and Dynamic Application Security Testing (SAST & DAST)

10 Secure Deployment and Maintenance

Course Add Value

After CASE the you will be able to

- In-depth understanding of secure SDLC and secure SDLC models
- Performing manual and automated code review of the application
- Knowledge of OWASP Top 10, threat modeling, SAST and DAST
- Driving development of a holistic application security program
- Capturing security requirements of an application in development
- Rating the severity of defects and publishing comprehensive reports detailing associated risks and mitigations
- Defining, maintaining, and enforcing application security best practices
- Working in teams to improve security posture attacks, and cryptanalysis tools

- Application security scanning technologies such as AppScan, Fortify, WebInspect, static application security testing (SAST)
- Following secure coding standards that are based on industry-accepted best practices such as OWASP Guide, or CERT Secure Coding
- Creating a software source code review process that is a part of the development cycles (SDLC, Agile, CI/CD)

Java is the premier platform-independent programming language. Java programs can run on Windows, Linux, or Macintosh. Beyond that, Java is the programming language for Java apps. These facts make Java an important programming language.
Secure Java programming is becoming increasingly important. Particularly with Java being the language of Android apps.
CASE Java will give you the skills you need to write secure Java applications.

Who is it for?

01

Java Developers with a minimum of 2 years of experience and individuals who want to become application security engineers/analysts/testers.

02

Individuals involved in the role of developing, testing, managing, or protecting a wide area of applications.

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