Training: Mile2
C)SWAE - Certified Secure Web Application Engineer

TRAINING GOALS:

Organizations and governments fall victim to internet-based attacks every day. In many cases, web attacks could be thwarted but hackers, organized criminal gangs, and foreign agents are able to exploit weaknesses in web applications. The Secure Web programmer knows how to identify, mitigate and defend against all attacks through designing and building systems that are resistant to failure. The secure web application developer knows how to develop web applications that aren't subject to common vulnerabilities, and how to test and validate that their applications are secure, reliable and resistant to attack. The vendor-neutral **Certified Secure Web Application Engineer certification** provides the developer with a thorough and broad understanding of secure application concepts, principles, and standards. The student will be able to design, develop and test web applications that will provide reliable web services that meet functional business requirements and satisfy compliance and assurance needs.

Upon completion

The **Certified Secure Web Application Engineer** students will be able to establish industry acceptable auditing standards with current best practices and policies. Students will also be prepared to competently take the **C)SWAE exam**.

Who Should Attend

- Coders
- Web Application Engineers
- IS Managers
- Application Engineers
- Developers
- Programmers

Accreditations & Acknowledgements

Mile2® is:

- ACCREDITED by the NSA CNSS 4011-4016
- MAPPED to NIST / Homeland Security NICCS's Cyber Security Workforce Framework
- APPROVED on the FBI Cyber Security Certification Requirement list (Tier 1-3)

Compendium Education Center Ltd.
ul. Tatarska 5, 30-103 Kraków, tel.: (12) 298 47 77
ul. Postępu 18B, 02-676 Warszawa, tel.: (22) 417 41 70

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CONSPECT:

- Module 1: Web Application Security
- Module 2: OWASP Top 10
- Module 3: Threat Modeling & Risk Management
- Module 4: Application Mapping
- Module 5: Authentication and Authorization Attacks
- Module 6: Session Management Attacks
- Module 7: Application Logic Attacks
- Module 8: Data Validation
- Module 9: AJAX Attacks
- Module 10: Code Review And Security Testing
- Module 11: Web Application Penetration Testing
- Module 12: Secure SDLC
- Module 13: Cryptography

Lab:

- Module 1: Environment Setup and Architecture
- Module 2: OWASP TOP 10
- Module 3: Threat Modeling
- Module 4: Application Modeling and Analysis
- Module 5: Authentication and Authorization Attacks
- Module 6: Session Management Attacks
- Module 9: AJAX Security
- Module 10-1: Code Review
- Module 10-2: Security Test Scripts
- Module 10-3: Writing Java Secure Code
- Module 11: Alternatives Labs
- Lab 11-1 4: WebGoat & WebScarab
- Lab 11-2: WebGoat - Cross-Site Request Forgery (CSRF)
- Lab 11-3 Missing Function Level Access Control
- Lab 11-4: Perform Forced Browsing Attacks

REQUIREMENTS:

- A minimum of 24 months’ experience in software technologies & security

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- Sound knowledge of networking
- At least one coding Language
- Linux understanding
- Open shell

Difficulty level

CERTIFICATE:

The participants will obtain certificates signed by Mile2 (course completion).

This course will help prepare you for the **Certified Secure Web Application Engineer exam**, which is available through the on-line **Mile2's Assessment and Certification System** ("**MACS**"), and is accessible on your mile2.com account.

The exam will take 2 hours and consist of 100 multiple choice questions.

Each participant in an authorized C)SWAE - Certified Secure Web Application Engineer will receive a free CSWAE exam voucher.

TRAINER:

Certified Mile2 Instructor.

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