# Training Course:
# Security Development

## 10 - 14 March 2025
## Kuala Lumpur (Malaysia)
## Royale Chulan Kuala Lumpur

## Training Course:
## Security Development

Training Course code:  IT235426  From:  10 - 14 March 2025  Venue:  Kuala Lumpur (Malaysia) - Royale Chulan Kuala Lumpur Training Course Fees:  6000  ⏧ Euro

## Introduction:

In today's digital era, ensuring the security of software and systems is crucial for protecting sensitive data and maintaining trust. Security Development is the practice of integrating security measures into every phase of the software development lifecycle, from initial design to deployment and maintenance. This program aims to provide participants with the knowledge and skills needed to build secure software, identify and mitigate vulnerabilities, and implement robust security protocols.

## Target Audience:

- Software Developers

- IT Security Professionals

- DevOps Engineers

- Project Managers

- System Administrators

- IT Auditors

- Anyone interested in learning about secure software development practices

## Objectives:

1. Understand the principles and importance of secure software development.

2. Learn to identify and prevent common security vulnerabilities.

3. Gain practical experience with security tools and techniques.

4. Develop skills for performing security testing and code reviews.

5. Implement security best practices throughout the software development lifecycle.

## Outlines:

Day 1:

Introduction to Security  Development

- Overview of security in the software development lifecycle SDLC

- The importance of integrating security from the start

- Key security principles and concepts

- Understanding threats and attack vectors

- Case studies of notable security breaches and their impact

## Day 2:

## Identifying and Mitigating Security Vulnerabilities

- Common software vulnerabilities e.g., OWASP Top Ten

- Methods for identifying vulnerabilities in systems and processes

- Best practices for vulnerability management

- Introduction to threat intelligence and its use in vulnerability identification

- Real-world examples of vulnerability mitigation

## Day 3:

## Security Assessments and Reviews

- Overview of security assessment methodologies

- Conducting risk assessments and threat modeling

- Security auditing and compliance checks

- Tools and techniques for non-coding security assessments

- Case studies of effective security reviews

## Day 4:

## Implementing Security in DevOps

- Introduction to DevSecOps and its importance

- Integrating security into Continuous Integration/Continuous Deployment CI/CD pipelines without coding

- Automated security testing tools and their role in DevOps

- Secure configuration management and infrastructure as code IaC

- Monitoring and logging for security purposes

Day 5:

Advanced Security Topics and Best Practices

- Basics of cryptography and its application in software security

- Secure software design principles and patterns

- Incident response and recovery planning

- Building a security-aware organizational culture through training and awareness programs

- Developing and implementing security policies and procedures

## Registration form on the Training Course: Security Development

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### Person Responsible for Training and Development

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