

## Secure Development (accès Code Bashing pendant 1 an en option)

Formation mise à jour régulièrement ! Accès code bashing pendant 1 an en option après la formation !

### Détails

- Code : DEV- SECURE
- Durée : 2 jours ( 14 heures )

Public

Pré-requis

### Objectifs

### Programme

#### 1er jour : Introduction à la recherche de vulnérabilité dans les applications Web et Mobile

- Introduction to the Web Application Vulnerability Assessment
  - Type: Labs
  - Audience: Everyone that have already developed web applications
  - Technology: Web technologies
  - Objective: The objective of this training is to allow the students to discover the offensive side of the Application Security about Web Application and practice it during a lab
- During this training, the students will discover:
  - What is a Web Application Vulnerability Assessment?
  - The different steps of this kind of assessment
  - The methodology used to rate the security issues
  - The open referential that can be used to conduct an assessment
- Introduction to the Mobile Application Vulnerability Assessment
  - Type: Labs
  - Audience: Everyone that have already developed mobile applications
  - Technology: Mobile technologies
  - Objective: The objective of this training is to allow the students to discover the offensive side of the Application Security about Mobile Application and practice it during a lab
- During this training, the students will discover:
  - What is a Mobile Application Vulnerability Assessment?
  - The different steps of this kind of assessment
  - The methodology used to rate the security issues
  - The open referential that can be used to conduct an assessment

- Audience: Everyone
- Technology: Independent
- Objective: The objective of this training is to introduce the students to the defensive side of the Application Security
- During this training, the students will discover:
  - What is the Application Security?
  - Why the security of an application is important for is life in the company information system?
  - Principles of Secure Coding
  - Common security error meet during development and how to prevent them
- Practical demonstrations of common vulnerabilities
  - Type: Demonstration
  - Audience: All developers
  - Technology: Independent
  - Objective: The objective of this training is to present to the students different kinds of application vulnerabilities
- During this training, the students will discover:
  - Different kind of vulnerabilities that are commonly present in applications
  - How to detect them
  - How to validate them
  - How to fix them

#### Mise en pratique des cours théoriques à travers l'implémentation de la sécurité dans un projet vulnérable

- Secure coding labs
  - Type: Labs
  - Audience: Developers with current competencies in the session development language
  - Technology: JAVA or .NET – Single technology by session
  - Objective: The objective of this training is to allow the students to manipulate the secure coding concepts and vulnerabilities seen during the trainings « Introduction to Secure Coding » and « Practical demonstrations of common vulnerabilities »
- During this training, the students will discover:
  - How to identify the kind of attacks to which the

#### 2ème jour : Introduction à la sécurité dans le développement avec les notions théoriques

- Démonstration des vulnérabilités les plus communes et des méthodes de défense pour s'en prémunir
- Introduction to Secure Coding
  - Type: Theoretical

- application's business features are exposed
- Derivate counter-measures from attacks identified
  - Implements counter-measures using the target

technology build-in features or custom code depending on the attack and the technology capacities

## Modalités

- **Type d'action** :Acquisition des connaissances
- **Moyens de la formation** :Formation présentielle – 1 poste par stagiaire – 1 vidéo projecteur – Support de cours fourni à chaque stagiaire
- **Modalités pédagogiques** :Exposés – Cas pratiques – Synthèse
- **Validation** :Exercices de validation – Attestation de stages