

## Program szkolenia:

# Security - JavaScript and Angular

### Informacje:

<b>Nazwa:</b>	<b>Security - JavaScript and Angular</b>
<b>Kod:</b>	<b>js-sec</b>
<b>Kategoria:</b>	Angular
<b>Odbiorcy:</b>	architekci, developerzy
<b>Czas trwania:</b>	2 dni
<b>Forma:</b>	60% wykłady, 40% ćwiczenia

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Training is designed for experienced frontend developers who seek fo better understanding of the security concerns.

### Zalety szkolenia:

- General principles and framework specific problems
- Practical examples
- Real world problems

## Szczegółowy program:

### 1. Security model of the Web

### 2. Securing data in transit using HTTPS

2.1. TLS protocols

2.2. Internet PKI ecosystem

### 3. Mixed content

### 4. Cross-site scripting

4.1. Sinks that might cause XSS

4.2. Effective encoding techniques

4.3. Sanitization with DOMPurify

4.4. How Angular protects against XSS

4.5. Polyglot XSS

### 5. Content security policy (CSP)

### 6. Session management

6.1. Cookie security

### 7. Client-side storage security

### 8. Cross-site request forgery (CSRF)

8.1. Implementing anti-CSRF tokens in Angular

### 9. Introduction to OAuth 2.0 and OpenID Connect

### 10. Working securely with JSON Web Tokens (JWT)

### 11. Remote code execution vulnerabilities in client-side JavaScript

### 12. Managing vulnerabilities in 3rd party dependencies