

Training program:

Modern standards in JavaScript

Info:

Name:	Modern standards in JavaScript
Code:	JS-ESx
Category:	JavaScript
Target audience:	developers architects
Duration:	3 days
Format:	33% teoria, 66% ćwiczenia

Training program

1. Basics and amp; Syntax

1.1. var, let and amp; const keywords

1.2. Symbols

1.3. Destructuring Objects and amp; Arrays

1.4. Spread and Rest Operators

1.5. Default Parameters

1.6. Template Literals

1.6.1. Tagged template literals

2. Arrow functions

2.1. Lexical Scope

2.2. ES5 functions vs ES6 arrow functions

2.2.1. Managing function context (this)

2.3. Advanced usage, common mistakes

2.4. Functional programming with Arrow Functions

3. Classes

3.1. Prototypal inheritance in ES6 classes

3.2. Class Properties

3.3. ES5 constructors, ES6 classes, TypeScript classes – comparison

3.4. OOP and FP – two approaches in JavaScript

4. Iterators

4.1. for..of loops

4.2. Iteration Protocol

4.3. Generators

5. Modules

5.1. Imports, exports

5.2. ESM, CommonJS, AMD - comparison

6. Promises

6.1. Asynchronicity in JS (event loop, message queue, ...)

6.2. Basic promise usage

6.3. Parallel and Sequential processing

6.4. Aggregate operations

6.5. Deferred anti-pattern (deferred vs ES6 promise)

6.6. Best practices and anti-patterns

6.7. ES6 promises vs jQuery, bluebird

7. Async Functions

7.1. Coroutines

7.1.1. coa, bluebird.coroutine

7.2. Async Await

8. Automation

8.1. Transpiling with Babel

8.2. Unit Testing with Karma preprocessors