

Web SPA applications with the Angular framework



Purpose of the training

The training is aimed at people who want to learn how to program web applications in the SPA architecture based on the Angular framework.



Benefits of completing the training

- Practical skills in working with the Angular framework.
- Understanding SPA architecture.
- Updating knowledge of JavaScript to the ES6 + version and getting to know the TypeScript language.
- Efficient use of the compiler, linter and builder on the Node.js platform.
- Basic knowledge of the use of libraries for writing unit tests.



Expected Listener Preparation

Knowledge of HTML, CSS, JavaScript at the basic level.



Training Language

- Training: English



Duration

3 days / 21 hours

Training agenda

1. Web application architecture
 - Single Page Application
 - Communication standards with the backend API
2. Node.js platform
 - Characteristics and architecture
 - Package management
3. Angular
 - Install and configure the framework
 - Introduction to TypeScript and ES.Next
 - Framework architecture
 - Generating of project artifacts, CLI
 - Working with components their data state and events
 - Use of the Life Cycle methods
 - Defining templates
 - Dynamic manipulation of CSS styles
 - Communication between components, parent-child relationship
 - Form handling
 - Formatting text using pipes
 - Routing, navigation between components
 - Dependency Injection
 - Integration with RxJS in context of API communication
4. Testing – introduction
 - Test structure, test implementation
 - Testing components