altkom akademia

Web SPA applications with the React and Flux framework

Training recipients

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

Benefits

• Practical skills in working with the React framework.

• Understanding SPA architecture.

• Upgrade your knowledge of JavaScript to the ES6 + version.

• Efficient use of the compiler, linter and builder on the Node.js platform.

• Basic knowledge of the use of libraries for writing unit tests.

Training program

1. Web application architecture
   ○ Traditional, component, SPA model
   ○ Communication standards with the backend system
2. Node.js platform
   ○ Characteristics, architecture and applications
   ○ Package management
   ○ Configuration and use of tools for compiling, building and testing
3. JavaScript ES6 +
4. Comparative study of SPA frameworks
5. React and Flux

- Framework architecture
- Instance and configuration of the framework
- Generating design artefacts, CLI
- Working with components, their data status and events
- The use of life cycle methods
- Defining templates, JSX, dynamic manipulation of CSS styles
- Communication between components, parent-child relationship
- Form handling
- Routing, navigation between components
- Communication with the API

6. Testing – introduction
    - Characteristics and comparison of available frameworks
    - Test structure, test implementation
    - Testing components

Expected preparation of the participant

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

Duration

3 days / 21 hours

Language

- Training: English