

# SPA Web application with Vue framework



## Purpose of the training

The training is intended for the people who would like to learn how to develop web applications in SPA architecture on the basis of Vue framework.



## Benefits of completing the training

- Practical working skills with Vue framework.
- Understanding SPA architecture.
- Updating the knowledge about JavaScript language to ES6+ version.
- Successful use of compiler, linter and builder on Node.js platform.
- Basic knowledge from the use of libraries to write unit tests.



## Expected Listener Preparation

Knowledge of HTML, CSS, JavaScript on basic level.



## Training Language

- Training: English



## Czas trwania

3 dni / 21 godzin

## Training agenda

1. Node.js platform
  - Characteristics and architecture
  - Package management
2. JavaScript ES.Next
  - news / syntactic sugar
  - useful structures in daily work with Vue
3. Vue architecture
  - Options and Composition API
  - Vue implementation in existing project
  - Single-File Components and Single Page Application building
  - Standards of communication with back-end system
4. Vue + Reactivity API
  - Vue project scaffold, Vite
  - Working with components, component state and events
  - Using life-cycle methods
  - Defining templates, dynamic CSS styles manipulation
  - Communication between components, parent-child relation
  - Forms handling
  - Routing, navigations between components
  - Creating and using directives
  - Using plugins
  - DOM and state Animations
  - Communication with back-end API – AJAX requests
  - Global state – introduction to Pinia
5. Testing – introduction
  - Test structure, test implementation
  - Testing components