

Training: Compendium CE  
 React - a pragmatic introduction


FORM OF TRAINING	MATERIALS	PRICE	DURATION
Traditional	Hardcopy	400 EUR	2 days
Traditional	Digital materials	400 EUR	2 days
Traditional	CTAB Tablet	550 EUR	2 days
Distance learning	Hardcopy	400 EUR	2 days
Distance learning	Digital materials	400 EUR	2 days
Distance learning	CTAB Tablet	400 EUR	2 days

## LOCATIONS

Krakow - 5 Tatarska Street, II floor, hours: 9:00 am - 4:00 pm

Warsaw - 17 Bielska Street, hours: 9:00 am - 4:00 pm

## TRAINING GOALS:

If you have never used React before or if you are getting confused by how single page application works, this is the workshop for you. We will dive into techniques for building reusable, maintainable components and how you can use the features React provides to make your application scalable. You will leave with a working understanding of how to use React in your own applications.

### Outcomes

- You will understand what React is and how it works
- You will be able to create a complete real world web application - learning the discussed tools and implementation techniques in React + Redux

## CONSPECT:

- Introduction
  - Why React?
  - DOM and Virtual DOM introduction
  - Let's meet our friends - Webpack/Babel
  - Setup development environment
  - Exercise 1
- First Component

- A gentle introduction to JSX
- Two flavors of components
- State, Props, data flow
- Lifecycle hooks
- Lift state up
- Component styling
- Exercise 2
- First application
  - Handle user input - forms
  - Sending request to the server
  - Receiving data from the server
  - Application Routing
  - Testing our components
  - Exercise 3
- Intro to Redux
  - What is Redux?
  - How Redux solve our problem with long prop-passing chains
  - Smart vs dumb components
  - Exercise 4
- Key Redux components
  - Reducer
  - Action
  - Selectors
  - Exercise 5
- Async actions
  - Thunks
  - Sagas
  - Exercise 6
- Extend our application
  - Move side effects outside components
  - Move state to the store
  - Testing the business logic
  - Exercise 7

## REQUIREMENTS:

- You need to be familiar with JavaScript on the intermediate level
- Knowledge of the new features introduced in the ES2015
- Basic knowledge of HTML & CSS

## Difficulty level



## CERTIFICATE:

The participants will obtain certificates signed by Compendium CE.

## TRAINER:

Certified Compendium CE Trainer.