

Modern Front-End with React - Basic Info

This course is for developers who:

- want to improve their front-end skills,
- want to build application prototypes rapidly,
- want to create complex and maintainable websites.

Prerequisites

- JavaScript and HTML knowledge needed.
- No prior React knowledge is required.

Training length: 2 days

This training is available in:

- [Berlin](#) (March 12-13)
- [Tel-Aviv](#) (April 16-17)
- [Barcelona](#) (May 17-18)
- [Warsaw](#) (June 21-22)

Modern Front-End with React - Full Agenda

Day One:

1. React primer
2. Setting up a React project
3. JSX and rendering
4. Creating React components
5. Project design and structuring

Day Two:

6. State management with Redux or MobX
7. Networking on the client-side
8. Front-end routing with React Router
9. Creating a real-world React app

Modern Front-End with React - Day 1

1. React primer

We will discuss the basics of front-end applications, then learn what is React and when to use it. After that, you will learn the core principles behind React - like components and the vDOM.

2. Setting up a React project

You will learn how to bootstrap a React application in seconds with create-react-app and jump straight into development. We will cover the basics of components, application mounting and development and bundling flow.

Modern Front-End with React - Day 1

3. JSX and rendering

You will learn what is JSX and its relation to HTML and JavaScript. After that we will discuss when does React components rerender and what exactly happens during a render.

4. Creating React components

We will take a deeper dive into React components - explaining React props, the state and event handling. After that, we will learn the difference between uncontrolled and controlled components and go through the component lifecycle events.

Modern Front-End with React - Day 2

5. Project design and structuring

We will discuss best practices for project structuring and component design. We will learn the difference between stateful and stateless components and the difference between container & presentational components.

6. Complex state management with Redux or MobX

We will discuss when to use React's own `setState` and when to use a more complex state management solution, then learn how to manage the state and handle async state changes.

Modern Front-End with React - Day 2

7. Networking on the client-side

You will learn how to fetch data from your API server and how to handle async events.

8. Routing with React Router

You will learn how to implement basic routing - with pages and links - then move on to programmatic routing. After that, we will cover protected routes with redirects and handling query parameters.

Modern Front-End with React - Day 2

9. Creating a real-world React app

You will learn how to rapidly develop front-end apps, while not losing maintainability.

We will also learn how to quickly deploy your prototypes for testing and showcasing.

In case you have any questions regarding this training, or you'd like to invite our team to provide a training exclusively for your company, please reach out to us at info@risingstack.com