

ITLEO

React course

Online Intermediate

28 lessons, 2 lessons per week

We study the following technologies:



Jenkins



Selenium



Rest



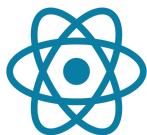
Git



Python



Continuous Integration



React

More details about the course:

React is the most popular JavaScript library for creating user interfaces. It allows you to build dynamic, scalable, and fast web applications. In this course, you will learn how to develop Single Page Applications (SPAs), work with hooks, routing, state management, and integrate data from servers. The program is practice-oriented: you will create your own full-fledged project that will become the basis of your portfolio.

Course program

Block 1: React Basics

- What is React, virtual DOM
- JSX, components: functional and class
- Props and state
- List rendering and conditional rendering

- Block review

Block 2: React Hooks

- useState, useEffect: managing state and side effects
- useRef, useMemo, useCallback
- Creating your own hooks
- Practice: creating an interface with hooks

Block 3: Routing and application structure

- Installing React Router
- Configuring routes, dynamic paths
- Creating navigation, 404 pages
- Separating code, lazy loading

Block 4: Managing global state

- Introduction to Redux: store, actions, reducers
- Connecting Redux to React
- Context API as an alternative to Redux
- Practice: integrating Redux into a real project

Block 5: Working with APIs and integrations

- Getting data from REST API
- Creating queries with fetch and axios
- Error handling, loading
- Building an interface with dynamic data

Block 6: Git and teamwork

- Using Git in React projects
- Basics of branching, pull requests
- Team development on GitHub
- Collaboration on the final project

Block 7: Final project

- Development of a full-fledged SPA application
- Routing, state management, API integration

- Publishing the project
- Code review by the instructor

Who is this course suitable for?

- Front-end developers looking to move to React
- Students looking to work with modern libraries
- Those looking to build scalable SPA applications
- JavaScript developers looking for real-world practical skills

What will be the outcome?

- Full understanding of React principles
- Skills in working with components, hooks and global state
- SPA application in the portfolio
- Preparation for the Junior React Developer interview
- Readiness for commercial development

Career prospects

After the course, you will be able to apply for the position:

- **Junior React Developer**
- Average salary in Ukraine: \$800 – \$1800

React is a core technology in product companies, startups, and freelancers. The demand for developers is constantly growing.

Course bonuses

- English for IT
- Technical Interview Preparation
- HR Resume Consultation
- Access to the ITLEO React Developer Community