

ITLEO

JavaScript basics course

Online

Beginner / Intermediate

24 lessons, 2 lessons per week

We study the following technologies:



Jenkins



Selenium



Rest



Git



Continuous Integration



JavaScript

More about the course:

This course is designed for those who already have a foundation in HTML and CSS and are ready to take the next step in web development. JavaScript is the language that brings websites to life, adding logic, user interaction, animations, and more. This course is your starting point for a career as a Front-end developer.

Course Program

Block 1: JavaScript Basics

- What is JavaScript. How the browser works
- Data types: string, number, boolean, null, undefined, object
- Variables: let, const, var
- Operators and expressions
- Conditional constructs: if, switch
- Loops: for, while, do while

- Functions: declarations, parameters, return
- Test work on the topic

Block 2: Arrays, objects and methods

- Arrays: creation, access to elements, methods (push, pop, map, filter, etc.)
- Objects: properties, nested objects, enumeration
- The this method, arrow functions
- Working with dates and strings
- Task: developing mini-applications (for example, a calculator)

Block 3: Working with DOM and events

- What is DOM
- Finding elements: getElementById, querySelector, querySelectorAll
- Changing HTML, styles and classes via JS
- Event handling: click, input, submit, mouseover
- Event delegation
- Animations and dynamic effects
- Control work: implementation of an interactive component (for example, a to-do list)

Block 4: Asynchrony, API and practice

- What is asynchrony, Event Loop
- setTimeout, setInterval, Promise, async/await
- Getting data from the API: fetch
- JSON format. Ajax basics
- Data parsing. Displaying data on the page
- Project: dynamic page with data from API (e.g. list of users or weather)
- Course completion: project defense, instructor review

Who is this course for

- For web designers who want to move to Front-end development
- For beginners with basic knowledge of HTML/CSS
- For anyone who wants to add interactivity to sites and go beyond “static” layout

What will be the outcome

- A real interactive project
- A complete understanding of JavaScript in practice
- Portfolio with work examples
- Readiness to learn React, Vue, Angular

Career prospects

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

- **Junior Front-end Developer**
- Average salary in Ukraine: \$700 – \$1400

This course is an ideal preparation for working in a team, freelancing, or further learning JavaScript frameworks.

Course bonuses

- English lessons
- Test technical interview
- HR consultation: resume and interview
- Access to the internal community of students and alumni

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