



# CERTIFICATE

OLEG TROIAN

Has successfully attended

**FULLSTACK DEVELOPER**

(React, Node.js, TypeScript)  
course at GoIT

14/11/2024

Unique ID 33217

FULLSTACK

goit.global

CEO of GoIT

Anton Chornyi

A handwritten signature in black ink, appearing to read "Anton Chornyi".

# Supplement to Fullstack developer course certificate

## General information

### **React**

**16** classes, **135** hours

**8** assignments on Tech Skills

### **Node.js**

**14** classes, **155** hours

**7** assignments on Tech Skills

### **TypeScript**

**3** classes, **25** hours

**3** assignments on Tech Skills

## **React units**

**Unit 1.** Introducing React. Styling components

**Unit 2.** Events and State of the component

**Unit 3.** Forms

**Unit 4.** HTTP-request. React hooks

**Unit 5.** React router

**Unit 6.** Redux. Redux Toolkit

**Unit 7.** Asynchronous Redux

**Unit 8.** Registration and User Login. Private and Public Routes

## **Node.js units**

**Unit 1.** Node.js Basics.

**Unit 2.** Express Basics. MongoDB

**Unit 3.** Rest API. Code organization

**Unit 4.** Data Validation. Pagination, Sorting And Filters

**Unit 5.** Authentication

**Unit 6.** Email Docker. Working with Images.

**Unit 7.** Authorization. Swagger And Openapi



## TypeScript units:

**Unit 1.** Base of TypeScript. Typification

**Unit 2.** TypeScript and React