Professional JavaScript

Category: Software Development & Programming | **Vendor:** Logical Operations

Duration: 32.00 hours (4 days) **26.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

This is your one-stop solution to mastering modern JavaScript. This course covers the latest features of JavaScript and advanced concepts, such as modularity, testing, and asynchronous programming. By the end of the course, you ll know how to create a full-stack JavaScript application using NodeJS and how to use JavaScript in functional programming.

About This Course

This is your one-stop solution to mastering modern JavaScript. This course covers the latest features of JavaScript and advanced concepts, such as modularity, testing, and asynchronous programming. By the end of the course, you ll know how to create a full-stack JavaScript application using NodeJS and how to use JavaScript in functional programming.

Who Should Attend

If you want to advance from being a front-end developer to a full-stack developer and learn how Node.js can be used for hosting full-stack applications, this course is for you. Knowledge of JavaScript’s basic syntax and experience with popular front-end libraries such as jQuery is required. You should also have used JavaScript with HTML and CSS, but not necessarily Node.js.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

By the end of this course, you'll have the skills you need to tackle any real-world JavaScript development problem using a modern JavaScript approach, both for client and server sides.After completing this course, you will be able to:

Apply the core concepts of functional programming

Build a Node.js project that uses the Express.js library to host an API

Create unit tests for a Node.js project to validate it

Use the Cheerio library with Node.js to create a basic web scraper

Develop a React interface to build processing flows

Use callbacks as a basic way to bring control back

Detailed Course Outline

JavaScript, HTML, and the DOM

- HTML and the DOM
- Developer Tools

Node.js and npm

- What is Node.js
- Node Version Manager (nvm)
- Node Package Manager (npm)

Node.js APIs and Web Scraping

- Globals
- FileSystem APIs
- HTTP APIs
- What is Scraping

RESTful APIs with Node.js

- What is an API
- What is REST
- Useful Defaults and Easy Inputs
- Middleware
- The Contents of a JWT
- MongoDB

Modular JavaScript

- ES6 Modules
- Object-Oriented Programming (OOP)
- npm Package

Code Quality

- Clear Naming
- Unit Tests
- Integration Tests
- End-to-End Testing
- Puppeteer

Advanced JavaScript

- Language Features Supported in ES5, ES6, ES7, ES8, and ES9
- OOP in JavaScript
- Sorting
- Maps and Sets
- Math, Date, and String
- Symbols, Iterators, Generators, and Proxies

Asynchronous Programming

- Callback Hell
- Async and Await

Event-Driven Programming and Built-In Modules

- Eventing
- Node.js Built-In Modules
- Handling Large Files in Node.js

Functional Programming with JavaScript

- Functions First-Class Citizens
- Pure Functions
- Higher-Order Functions
- Function Composition
- Immutability and Side Effects
- Introduction to GraphQL Language Schemas and Queries

Additional Course Details

Nexus Humans Professional JavaScript training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Professional JavaScript course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Professional JavaScript?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 4-day Professional JavaScript course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Professional JavaScript training?

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Professional JavaScript?

Yes, we provide corporate training, dedicated training, and closed classes for Professional JavaScript. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for Professional JavaScript?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Professional JavaScript training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

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