
Beginning API Development with Node.js

Duration: 1 Day Course Code: LO035408

Overview:

This course offers a deep but gentle dive into Node.js. First, by starting off with the basic building blocks of the modern JavaScript language, which are necessary for students to have a good grasp of Node.js, before delving into the fundamentals of Node.js.

Most courses quickly dive into Node.js forgetting that, at the end of the day, Node.js is still JavaScript. This can end up being a little uncomfortable for JavaScript newbies, since we can't build a solid house on a shaky foundation.

The course therefore begins with a quick introduction to the modern JavaScript language (ES6+). We will then look into Node's asynchronous programming model and examine Node's module system, including built-in modules and application modularization, as well as the NPM third-party module registry. We will skip a number of topics, which we will recommend for further reading, and will finish off by working on a simple web application API using the Hapi.js and Knex.js frameworks.

Target Audience:

This course is targeted towards developers looking to build a career as a Node.js developer.

If you are interested in gaining a good grasp of Node.js in a systematic and hands-on way by working through a real-world project, then this course is for you.

Objectives:

- This is a 1-day course packaged with the perfect balance of theory and hands-on activities that will help you learn Node.js from scratch.
 - This course complies with instructional designing principles for all the 3 lessons. This will ensure that you repeat and reinforce your gained knowledge at every step. Each and every minute spent during this 1-day course will incrementally take you to a next level.
 - Here are the important topics that this course will cover:
 - Quickly get to grips with Node.js and its module system
 - Gain an understanding of asynchronous programming in Node.js
 - Develop scalable and high-performing APIs using Hapi.js and Knex.js
 - Write unit tests for your API to ensure reliability and maintainability
 - Complete a variety of hands-on exercises and activities to broaden your understanding of the concepts covered in this courseware
 - Dive into the Capstone project by building an API for a legacy application
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Content:

Lesson 1: Introduction to Node.js

- The Basics of Node.js
- The Module System
- Asynchronous Programming with Node.js

Lesson 2: Building the API: Part 1

- Building a Basic HTTP Server
- Setting up Hapi.js
- Understanding Requests

Lesson 3: Building the API: Part 2

- Working with the DB Using Knex.js
 - Authenticating Your API with JWT
 - Testing Your API with Lab
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Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

info@globalknowledge.co.uk

www.globalknowledge.com/en-gb/

Global Knowledge, Mulberry Business Park, Fishponds Road, Wokingham Berkshire RG41 2GY UK