
Beginning Modern JavaScript Development with WebRTC and React

Duration: 3 Days Course Code: LO035404

Overview:

This fast-paced practical course focuses on application development while discussing the JavaScript libraries that help to build them. We look at the libraries in JavaScript that help to build applications that have a microservices-based architecture, have features like audio and video calling, real-time score updates, multi-faceted search options, and so on. We not only look at building these applications but also explore a number of best practices to be followed.

Take home the skills to build web applications for changing times.

Target Audience:

This course is ideal for client-side JavaScript developers.

Prerequisites:

Hardware:

This course will require a computer system for the instructor and one for each student. The minimum hardware requirements are as follows:

- Processor: i3
- Memory: 2 GB RAM
- Hard disk: 10 GB
- Internet connection

Software:

For this course, we will use the following software:

- Windows 8 (64-bit)
 - Atom
 - Node.js
 - Bootstrap 4
 - React
 - The latest version of Google Chrome
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Content:

Microservices Architecture

- Topic A: Introduction to Microservices Architecture

Introduction to Seneca

- Topic A: Using Seneca
- Topic B: Creating Your First Seneca Application

Communication

- Topic A: WebRTC
- Topic B: WebRTC Applications Using PeerJS
- Topic C: Introduction to Socket.IO

Functional Reactive Programming

- Topic A: Introduction to Reactive Programming
- Topic B: Functional Programming in a Nutshell

Using the FRP Library – Bacon.js

- Topic A: Errors and Exception Handling in Bacon.js
- Topic B: Bacon APIs

Using the Features of Bootstrap 4

- Topic A: Introduction to Bootstrap 4
- Topic B: Understanding the rem and em CSS Units
- Topic C: The Card Component

React and Flux

- Topic A: Understanding React
- Topic B: Getting Started with JSX
- Topic C: Flux and Flux.js
- Topic D: Introduction to React Router

Further Information:

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

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