

BEGINNING MODERN JAVASCRIPT DEVELOPMENT WITH MICROSERVICES, WEBRTC, AND REACT



PRODUCT
INFORMATION

Use modern JavaScript libraries and effectively implement advanced features in your web applications

FORMAT

Instructor-Led Training

DURATION

3 Days

PUBLISHED ON

28th December, 2017

DESCRIPTION

This fast-paced practical course uses an example-driven approach to explore the JavaScript libraries that aid in building applications. Take home the skills to build modern web applications.

LEARNING OUTCOMES

By completing this course, you will:

- Implement microservices using Seneca
- Use WebRTC APIs and WebSocket protocol for real-time communications
- Use the Bacon.js library for front-end and back-end coding
- Use the advanced concepts of functional programming and Bacon.js to build a widget
- Build an application with stunning UI using React and Flux

WHO SHOULD ATTEND

If you are a web developer who wants to explore some of the modern JavaScript features, techniques, and architectures to develop cutting edge web applications, then this course is for you.

PREREQUISITES

To make the most of this course, developers should have experience working with JavaScript. Also, they should be able to complete basic programming tasks and demonstrate good problem solving abilities. A basic understanding of MongoDB and Bootstrap is also required.

APPROACH

Filled with activities and exercises, this course is designed such that students learn by doing.

OUTLINE

MICROSERVICES ARCHITECTURE

Introduction to Microservices Architecture

Introduction to Seneca

Using Seneca

Creating Your First Seneca Application

Communication

WebRTC

WebRTC Applications Using PeerJS

Introduction to Socket.IO

Functional Reactive Programming

Introduction to Reactive Programming

Functional Programming in a Nutshell

Using the FRP Library – Bacon.js

Errors and Exception Handling in Bacon.js

Bacon APIs

React and Flux

Understanding React

Getting Started with JSX

Flux and Flux.js

Introduction to React Router