React Js

Duration: 40 Hours

Module 1: Welcome to React

- ➢ Obstacles and Roadblocks

- ➢ React's Future

- ➢ Working with Files

  - ■ React Developer Tools

  - ■ Installation Node JS Emerging

Module 2: Emerging JavaScript

- ➢ Declaring Variable in ES6

- ➢ Arrow function

- ➢ Transpiling ES6

- ➢ ES6 Objects and Arrays

- ➢ Promises

- ➢ Classes

Module 3: Pure React

- ➢ Page Setup

- ➢ The Virtual DOM

- ➢ React Elements

- ➢ React DOM

- ➢ Children

- ➢ Constructing Elements with Data

- ➢ React Components

- ➢ DOM rendering

Module 4: React with JSX

➢ React Elements as JSX

➢ Babel

➢ Intro to Webpack

Module 5: Props, State and the Component Tree

➢ Property Validation

➢ Refs

➢ React State Management

➢ State within component Tree

Module 6: Enhancing Components

➢ Component Lifecycle

➢ JavaScript Library Integration

➢ Higher-Order Components

➢ Flux

Module 7: Redux

➢ State

➢ Actions

➢ Reducers

➢ The Store

➢ Action creators

➢ Middleware

Module 8: React Redux

➢ Explicitly Passing the Store

➢ Passing Store via Context

➢ Presentation Versus Container Components

➢ The React Redux Provider

➢ React Redux Connect

Module 9: React Router

➢ Incorporating the Router

➢ Nesting Routes

➢ Route Parameters

Module 10: React on the Server