

React & Node

1. Introduction to React

- What is react?
- Setting up the development environment
- Hello react
- Full Stack Architecture

2. ES6 Refresher

- Introduction
- Let vs Var vs Const
- Objects
- The “this” keyword
- Arrow function
- Arrow function and this
- Array map method
- Object DE structuring
- Class
- Inheritance
- Modules

3. Components

- Introduction
- Setting up project
- First React Component
- Embedding Expressions
- Setting Attributes
- Rendering classes dynamically
- Rendering Lists
- Conditional rendering
- Handling Event
- Binding Event Handlers
- Updating the state
- State Change
- Passing Event Arguments

4. Composing Components

- Introduction
- Composing Components
- Passing Data to Components
- Passing children
- Props vs State
- Raising Handling Events
- Updating the State
- Single Source
- Removing the Local State
- Multiple Component in Sync
- Lifting the State up
- Stateless function Components
- DE structuring Arguments

5. Routing

- Introduction
- Setup
- Adding Routes
- Switch
- Link

6. Forms

- Introduction
- Building a Bootstrap Form
- Handling Form Submission
- Refs
- Controlled Elements
- Handling multiple Inputs
- Common error
- Extracting a Reusable input
- Validation

7. Calling Backend Services

- Introduction
- JSON placeholder
- HTTP clients

- Getting Data
- Creating Data
- Updating Data
- Deleting Data

8. Deployment

NODE

1. Getting Started

- What is Node?
- Node Architecture
- How Node Works
- Installing Node
- First Node Program

2. Node Module System

- Creating a Module
- Loading a Module
- Module Wrapper function
- Path Module
- OS module
- File System Module
- Events module
- Extending Event Emitter
- Http Module

3. Node Package Manager

- Introduction
- Package.json
- Installing a node package
- Using a package
- Package Dependencies
- NPM packages and Source control
- Semantic Version

- Listing the Installed Package
- Viewing Registering Infor for a package
- Installing specific version of a package
- Updating Local Package
- Dev Dependencies
- Uninstalling a package
- Working with Global Package
- Publishing a Package

4. Building RESTful API using Express

- Introduction
- Introduction Express
- Building your first web server
- Node mon
- Environment Variables
- Route Parameters
- Handling HTTP Get Request
- Handling HTTP Post Request