

React Js - Training Program

Start Date:	
Timings:	
Duration:	40 Hours (Including Demo Apps + 1 Project)
Trainer:	<p>Narasimha Reddy K</p> <p>11 Years' Experience</p> <p>https://www.linkedin.com/in/narasimhareddyk/</p>

Highlights:

1. Complete React JS Training with 100% ES6, including Hooks, Redux, Prime React, Bootstrap, Server side with Node JS, MongoDB.
2. Live & Hands-On Training with Life-Time Access for Class Recordings & Source Code.
3. Complete Project based training with 2 live projects, Online Shopping App (React Kart), Bootstrap Admin Dashboard
4. React Hooks, React Hook Form.

Topics Covered / What you'll Learn

Content	Duration - Hours	Assignment & Discussion
1. Git and GitHub Basics	1	
2. JavaScript - ES6 with OOPS <ul style="list-style-type: none"> • Fat Arrow Function, Call Backs • Array & Object – Basics • Object Destructuring • Template Literal String • Spread Operator (...) • Class, this, super, constructor, inheritance • Import and export – named import and export • Async, Await and Closure & Promise 	2	
3. React Js Introduction <ul style="list-style-type: none"> • What is React? 	2	

<ul style="list-style-type: none"> • Why React? • React version history • Just React - Hello World • Installation - 3 ways • Running the app • Debugging first react app <p>Learning Objective: Understand how react makes things perform, learn how to set up, run and debug a react app.</p>		
<p>4. React App – Folder Files</p> <ul style="list-style-type: none"> • React Application Flow • Babel Introduction 	2	
<p>5. React Components – The Big Picture.</p> <ul style="list-style-type: none"> • Types of components • Functional • Class based • Pure • Component Composition <p>Learning Objective: Learn how to decompose UI into components and compose them back to make UI.</p> <p>Hands-on: Create class based and functional components.</p>	2	
<p>6. Props & State – Make hands dirty</p> <ul style="list-style-type: none"> • What is state and its significance • Read state and set state • Passing data to component using props • Validating props using Prop Types <p>Goal: How to communicate/send variable or Array, Object, Method as props to another component</p> <ul style="list-style-type: none"> - Class Component to Class Component - Class Component to Functional Component - Functional Component to Class Component - Functional Component to Functional Component 	3	

<p>Learning Objective: Learn how to manage state in class based react components and how to make communication between components using props.</p> <p>Hands-on: Create a stateful component and stateless component. Pass data from parent component to child component using props. Implement child to parent communication using callbacks.</p> <p>How to Enable – Bootstrap? And with Multiple Example</p>		
7. React Js Event Handling& Event Binding	1	
<p>8. Conditional Rendering & List Rendering</p> <ul style="list-style-type: none"> • Rendering using - Ternary Operator • Using react key prop • Using map function to iterate on arrays to generate elements <p>Learning Objective: Learn how to render lists and use key prop.</p> <p>Hands-on: Create component which renders lists iteratively using map function of array.</p>	2	
<p>9. Form Handling</p> <ul style="list-style-type: none"> • Login Form • Registration Form • Flipkart – Manage Address Form Example • Understanding Control Component Form Handling • Event Object • Prevent Default Method - Checkbox - Dropdown - Text area - Radio Button <p>Learning Objective: Learn to gather form data and use techniques to coordinate multiple form elements.</p>	2	
10. React JS Routing with Navigations	2	

<ul style="list-style-type: none"> - What is SPA? Recap! - How to achieve? <ul style="list-style-type: none"> • Routing in a React application • Routing with React Route, Link, Browser Router, Switch • React-React-DOM Packages – NPM 3rd Packages. <p>Hands-on: Design small Demo Application with React Routing</p>		
<p>11. React JS with HTTP & Life Cycle Methods</p> <ul style="list-style-type: none"> • Understanding Full Stack Developer Role? • Backend Developer – Stack Options • What is API Development? API Testing Tools? • How to consume HTTP API in React? • AXIOS – 3rd party NPM Module <p>Hands-on: Design and Developer React Application with React Routing, HTTP (AXIOS) – Demo App</p>	3	
<p>12. Contact App/Real Time – API – Demo Application</p> <p>Learning Objective: Demo Application Recap All React Basics Including components, Props, State, Props Drilling, Event Handling, Binding, Form Handling, Routing, HTTP (Axios, Axios methods)</p>	3	
<p>13. State Management</p> <ul style="list-style-type: none"> • What is State? • Why Redux • Redux Flow • State Management and Redux • Actions, Reducer, Store <p>Learning Objectives Understand Redux and learn to install, setup and connect it to a React application.</p>	4	
<p>14. React Hooks & Life Cycle Methods</p> <ul style="list-style-type: none"> • Introduction to Hooks • The useState hook 	5	

<ul style="list-style-type: none"> • useEffect Hook • The useContext hook • The useReducer hook • useMemo & useRef <p>Learning Objective: Move to function Hands-on : Demo App using Functional component with Hooks</p>		
<p>15. React Demo Apps/Project</p> <ul style="list-style-type: none"> ✓ Cart Application – User Auth ✓ Dashboard ✓ Testing, Deployment 	6	

React js Course Outline

