



WEB-203

React: Practical Front End Application Development

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OVERVIEW

Skill Level	: Intermediate
Suitable for	: Experienced developers who want to learn how to build readily testable front-end applications with React JS
Duration	: 5 Days

React JS is a powerful front-end Javascript framework, but with great power comes great responsibility! Unlike Angular JS, React JS is not particularly prescriptive in terms of how applications should be structured.

This course presents a battle-tested, practical approach to building front end applications with React JS that are extensible, maintainable, and readily testable.

Through progressive elaboration of worked code examples, course participants will create a full front-end application using React JS, integrated with a fully functioning REST API. Note: a runnable server-side API application is provided as part of course materials; development of such an API is not in scope for this particular course.

Adopting a Component-based development approach, we next demonstrate how to structure user interface elements according to the Atomic Design methodology. Participants will learn how to iterate UI designs within a cross-functional team using Storybook, for ease of visual testing (ie. designer/developer workflow).

Ultimately, these techniques are combined in detailed, practical lessons in correct usage of React JS to produce a working front-end application, integrated with a typical REST API.

PREREQUISITES

- WEB-101 – Web Development Fundamentals (or equivalent experience/training).
- FND-021 – Programming for Beginners - using JavaScript (or equivalent experience/training).

COURSE OUTLINE

React

- Components
- JSX
- Component Props
- Conditional Rendering
- Rendering Lists
- Pure Components
- Events
- States
- Rendering
- State Management
- Sharing State Between Components
- Consolidating State Logic
- Context API
- Hooks

Component-based UI Development

- Introduction to Design Systems
- Atomic Design concepts
- Implementing Atomic Design using Storybook

Putting it All Together

- Mini-capstone Project



Enquiries



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