



REACT

KEYHOLE COURSE

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KEYHOLE SOFTWARE COURSE DESCRIPTION

In this hands-on course, students are introduced to features and capabilities of JavaScript framework React.

PREREQUISITE

Intermediate-to-advanced JavaScript programming experience.

COURSE STRUCTURE

This is a five module course which can be given in-person or online. Each module is around one hour in duration followed by individual hands-on exercises to strengthen understanding.

Modules will be split up and elongated as necessary, depending on students' comprehension of the material.

COURSE TOPICS

INTRODUCTION TO REACT

- UI Components
- Tooling
- Compilation
- JSX
- Embedded JSX Expressions
- JSX Expressions In Control Flow
- JSX Objects
- Attributes and Children

RENDERING

- Updating The DOM
- DOM Reconciliation

COMPONENTS AND PROPS

- Component Types
- Dependencies
- Rendering Components
- Component Properties
- Read Only Properties
- Decomposition
- Refactoring the UserProfile Component
- Reusable Components
- Component State and Lifecycle
- Introducing State
- Life Cycle Methods
- Applying Lifecycle Methods
- Asynchronous State Updates

EVENTS AND FORMS

- Events
- Prevent Default
- Binding This
- Forms
- TextArea
- Select Tag
- Multiple Input Controls
- CSS
- Uncontrolled Components
- Controlled or Uncontrolled?

APPLICATION PRACTICUM

