

React Native: Hooks, Navigation & Redux

Learn to build React Native apps using hooks, navigation, Redux and device APIs, from setup to app store deployment.

5

MODULES

27

TOPICS

COURSE OVERVIEW

This course covers React Native fundamentals alongside an ES6 refresher, followed by core concepts such as state, props, styling with Flexbox, lists, forms, scroll views and images. It then addresses networking with fetch or Axios and navigation using React Navigation, before moving into React Hooks, animations and routing. The final module introduces Redux for state management, additional components such as WebView, Modal and Async Storage, push notifications, offline storage with a local database, and deploying apps to the Apple App Store and Google Play Store.

WHO THIS COURSE IS FOR

React Native Developers

Mobile App Developers

Front-End Developers

JavaScript Developers

LEARNING OBJECTIVES

- Set up a React Native development environment and create an app
- Apply ES6 features such as arrow functions, classes and destructuring
- Manage state and props and style components with Flexbox
- Render lists, handle forms and display images in an app
- Implement HTTP requests and handle API responses
- Configure navigation structures using React Navigation
- Apply React Hooks such as useState and useEffect
- Implement Redux for state management with actions and reducers

5 Modules, 27 Topics

01

Introduction to React Native and ES6 Refresher

TOPICS

- Introduction to React Native
- Setting up the development environment
- Creating your first React Native app
- **ES6 refresher:** Arrow functions, classes, destructuring, and more
- Hands-on exercises to practice ES6 concepts in React Native

02

Core React Native Concepts

TOPICS

React Native State and Props · Styling and Flexbox in React Native · List view and rendering data · Text input and form handling · Scroll view for larger content · Loading and displaying images

03

Networking and Navigation

TOPICS

Making HTTP requests using fetch or Axios · Handling API responses · Implementing navigation with React Navigation · Creating a basic navigation structure

04

Advanced Topics and React Hooks

TOPICS

- Introduction to React Hooks (useState, useEffect, etc.)
- Implementing state and effects with hooks
- Implementing animations in React Native
- Managing application routing using React Navigation

05

Redux State Management and Additional Components

TOPICS

- Introduction to Redux and its principles
- Setting up Redux in a React Native app
- Implementing actions and reducers
- **Exploring additional React Native components:** WebView, Modal, Activity Indicator, Picker, Status Bar, Switch, Alert, Geo Location, Async Storage
- **Final project:** Combining all learned concepts to build a comprehensive React Native app
- Push Notification Setup and Creating Push Notification to the App
- Using APP offline using local database
- Deploying App on Apple App Store and Deploying App on Google Play Store

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Hands-on exercises throughout the course
- Delivery by certified instructors and subject matter experts
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

Visit koenig-solutions.com

✉ info@koenig-solutions.com