KOENIG SOLUTIONS · COURSE OUTLINE

React Native with Mobile App Dev

Learn to build cross-platform mobile apps with React Native, from components and navigation to authentication and Google login.

5 Days
20 HOURS

42
TOPICS

4 hours * 5 days

COURSE OVERVIEW

In this course you will learn about React Native which is open source mobile application Frame works used to develop application for iOS, Android and Windows.

WHO THIS COURSE IS FOR

- **Mobile App Developers**
- **Front-End Developers**
- **React Developers**
- **Software Engineers**
- **UI Developers**

PREREQUISITES

- Should have a basic knowledge of JavaScript
- Should have some familiarity with HTML and CSS

LEARNING OBJECTIVES

What Participant will Learn:

- Introduction to react native
- The difference between functional and class components
- Use React Context and React Hooks
- Integrate REST APIs in the project
- Tab Navigation with native navigation behavior
- Fetch and show data, filter by categories and search by keyword
- Implement login and signup via email and google

TRAINING APPROACH

Course will have theory, demonstration, assignments. The course will begin with Pre Test and end with Post Test.

COURSE SYLLABUS

42 Topics

DAY 1

TOPICS

Introduction · Environment Setup · Create a React Native App · Exploring The Default App Code · Running on iOS

DAY 2

TOPICS

- Running on Android
- Running with Terminal
- What is JSX
- **Imports and Exports:** Creating components
- Functional vs. Class Components
- Explaining State for Functional and Class Components
- Lifecycles Explained
- Props in Components
- Understanding Styling
- Identifying Components

DAY 3

TOPICS

- Project Structure
- Building the Splash Screen
- **Button Component:** Pressable vs. TouchableOpacity
- Colors Management
- Creating Authentication Header
- Building Input Component

DAY 4

TOPICS

- Password Input Eye Toggling
- Building Checkbox Component
- Giving Custom Style to Reusable Components
- Building Separator Component
- **React.memo:** What it is and Why to Use
- **Google Login:** component & native setup
- Checking Google Login on Android & iOS
- Using Environment Variables
- Building Sign Up Footer Actions

DAY 5

TOPICS

- Building Sign in Screen
- Creating Github Repository & Git Initialization
- Pushing Changes to Git
- Git Branching System
- React Navigation Introduction
- Setup React Navigation
- Manage Navigation Theme
- Moving Between Screens
- Hiding Default Navigation Header
- Fixing Safe Area Issues
- Setup Bottom Tabs
- Customizing Tabs Design

WHAT IS INCLUDED

Everything You Need to Succeed

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

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