



*Training Course:
React Native*

*15 - 19 August 2027
Cairo (Egypt)*

Training Course: React Native

Training Course code: IT234728 From: 15 - 19 August 2027 Venue: Cairo (Egypt) - Training Course Fees: 4100 € Euro

Introduction

In May 2013, Facebook open-sourced their React JavaScript library, providing web developers everywhere with a powerful and efficient tool to create component-based interactive User Interfaces UIs. React provided powerful features like stateful components, virtual DOM, one-way data binding with properties props, lifecycle methods and JavaScript XML JSX. React quickly became the choice for developers to build faster, smoother UIs for data-driven web applications.

In 2015, Facebook extended React to building native mobile applications on iOS and Android platforms. React Native has created a lot of excitement in the market because of its cross-platform nature. Developers can reuse the code between Android, iOS and web projects with minimal effort. The growing interest in React Native has created a need for skilled developers as a lot of development companies are switching to this technology. React Native is used by many Fortune 500 companies like Facebook, Instagram, Bloomberg, Pinterest, Skype, Tesla, Uber, Walmart, Wix.com, and others. React Native's GitHub repository statistics reveal that nearly 2,000 contributors have committed 16,000 times in 72 branches with over 300 releases. According to Google Trends, React Native has become a trending topic in addition to being a popular framework.

Course Objective

WHAT YOU'LL LEARN

- Equip yourself with the basics and core concepts that are essential to develop with React Native.
- Learn to apply styles in React Native while learning to develop different kinds of layouts in it.
- Learn about the various components of React Native as well as their areas of application.
- Learn to use React Native API to access hardware related features and platform specific features.
- Learn about the methods of setting up and configuring the React Native navigation library.
- Learn about consuming remote API in React Native application by using fetch API and axios.
- Learn to build and integrate React Native applications in Android and iOS operating systems.

Target Audience

- Front-end Developers who want to build modern UI applications using React
- Mobile App Developers interested in cross-platform development iOS & Android
- JavaScript Developers looking to expand into React Native development
- Full Stack Developers who want to integrate mobile apps with web backends
- UI/UX Developers interested in building interactive and dynamic mobile interfaces

- Software Engineers transitioning into mobile application development
- Developers working in startups or product teams building cross-platform apps
- Anyone interested in building mobile applications using React Native and modern JavaScript frameworks

Course Outlines

Day 1

Introduction to React

- What is React
- JSX
- React Components
- Props
- Events
- State
- Lifecycle
- PropTypes
- Default Props

Day 2

Overview React Native

- A word on hybrid mobile development
- What is React Native
- Preparing development environment
- Node, Watchman, Xcode, Android Studio
- React Native CLI
- Creating And Running HelloWorld React Native
- Birds view on mobile platforms ios and android
- First Debugging steps

Day 3

Working with Styles & Layouts

- Exploring Styles and using styles
- Inline Styles, Style Objects, Stylesheet
- Exploring layout
- Understanding Box model
- Understanding FlexBox model
- Styling Text
- Styling Images
- Debugging Styles

Day 4

React Native Components

- View
- Text
- Image
- Touchables
- ListView
- ScrollView
- Modal
- WebView
- TabBar
- TextInput
- Slider
- Switch
- Picker

React Native APIs

- Alert
- Handling permissions
- Geolocation
- Vibration

Day 5

Navigation

- Challenges with navigation
- Possible solutions for navigation
- Setting up React Native navigation library
- Working with React Native navigation
- Styling the navigator
- OS Specific use cases

Remote Communications

- Libraries available
- Fetching data using fetch
- Working with axios for CRUD

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