



MFE-IT

Reference: PH/EN/RN

React Native Training Course

Develop Native Mobile Applications with a Single Code Base

Duration: 5 Days | Hours: 35 h

Remote · Sessions guaranteed from 1 registrant · 60% hands-on practice

DESCRIPTION

In a mobile-first world, React Native is the modern, high-performance solution for developing cross-platform mobile applications from a single JavaScript code base. Adopted by giants such as Meta, Instagram, Discord and Shopify, React Native combines the flexibility of web development with native performance capabilities, delivering smooth rendering and a consistent user experience on both Android and iOS.

This React Native training course guides you through the creation of a complete mobile application, from the user interface to API calls, including navigation, hooks, state management, testing and publishing to the stores.

LEARNING OBJECTIVES

By the end of this training course, participants will be able to:

- Understand how React Native and its ecosystem work
- Create adaptive interfaces with native components
- Manage navigation between screens with React Navigation
- Use hooks (useState, useEffect) to manage local state
- Integrate remote APIs (REST/GraphQL) and manage network calls
- Test, debug and prepare an app for publication on the stores

PREREQUISITES

- Basic proficiency in modern JavaScript (ES6+)
- Knowledge of React.js strongly recommended
- Configured development environment (Node.js, Expo CLI or React Native CLI)

Because each participant is unique, a personalised interview is systematically organised in advance with our expert to design a training programme perfectly aligned with their objectives, level and professional challenges.

TARGET AUDIENCE

JavaScript and React developers, full-stack developers and individuals transitioning to mobile development.

DETAILED PROGRAMME

The training alternates between theoretical input and hands-on practice (approximately 60% of the time). Modules are built around practical exercises based on real-world business use cases.

Module 1 – Introduction to React Native

- Presentation of the framework and its ecosystem
- Tools and CLI: Expo vs React Native CLI
- First app and project structure

Module 2 – Components, Styles and Mobile Layout

- Core components: View, Text, Image, ScrollView
- StyleSheet API and platform-specific styling
- Flexbox layout for mobile interfaces

Module 3 – Navigating Between Screens

- Stack Navigator and Bottom Tabs Navigator
- Parameter passing between screens
- Custom headers and deep linking

Module 4 – Hooks and Local State Management

- useState, useEffect and business logic
- UI updates and re-render optimisation
- Local persistence with AsyncStorage

Module 5 – API Calls and Network Management

- fetch, axios and JSON processing
- Conditional display, loading and error states
- Authentication tokens and secure storage

Module 6 – Global State Integration

- Context API for simple global state
- Zustand for lightweight state management
- Redux introduction for complex projects

Module 7 – Testing, Debugging and Publishing

- Debugging with Flipper and React DevTools
- Logs, breakpoints and component testing
- Preparing Android and iOS builds with Expo or CLI

Module 8 – Final Project: Complete Mobile Application

- Build an app with 3 to 4 screens and navigation
- API calls, local persistence and offline mode
- Final review: performance, UX and store readiness

TEACHING METHODS

Format and Delivery

The training is delivered remotely via an interactive virtual classroom. It can also be delivered on-site, with content customised to match the needs of your professional project. The theory/practice split is approximately 40%/60%.

MFE-IT Ultra-Personalised Format

Each session accommodates between 1 and 3 participants, ensuring highly individualised support. A preliminary interview allows us to tailor the content to each participant's profile. Inter-company sessions are guaranteed from just 1 registrant (except in cases of force majeure).

Skills Assessment

Throughout the training, the trainer assesses participant progress through multiple-choice questions, role-playing exercises and hands-on work. At the end, a certificate of achievement is issued to each participant.

Post-Training Support

For one month following the training, each participant can contact MFE-IT trainers with questions about implementing acquired knowledge. A response is provided by email or telephone within 48 working hours.

Accessibility

MFE-IT is committed to welcoming people with disabilities. Contact: contact@mfe-it.com.

PRACTICAL INFORMATION

Trainer Resources

- Structured demonstrations aligned with the detailed programme
- Exercise briefs and solutions throughout the training
- A ready-to-use technical environment for practical workshops
- Trainer validation of acquired knowledge at the end of each workshop
- Digital reference documents

Certification and Validation

At the end of the training, a certificate is sent by email specifying the objectives, nature, duration and assessment results. A completion certificate can also be provided on request.

Benefits for Participants

- Train from your workplace or home, with no travel required
- Benefit from an expert trainer-consultant on the subject
- Enjoy an ultra-personalised format (1 to 3 participants)
- Continue training even in the event of unforeseen circumstances

Benefits for the Organisation

- Optimise the training budget by reducing travel and accommodation costs
- Offer quality training to all employees, regardless of location
- Reduce absence time linked to travel
- Support team upskilling in all contexts