



Mastering React Native

Next -Level React: Explore Step-by-Step How to Build Test & Publish React Native applications

www.triveratech.com

Course Snapshot

- **Course: Mastering React Native (TT4199)**
- **Duration:** 5 days
- **Audience & Skill-Level :** This is an intermediate-and beyond level course for web developers experienced working with React who are looking to build IOS and Android applications.
- **Delivery Options:** This course is available for **onsite private classroom presentation, live online virtual presentation**, or can be presented in a **blended learning format**. Please also ask about our **Self-Paced / Video / QuickSkills** or **Mini-Camp / Short Course** flexible delivery options.
- **Public Schedule:** This course has active dates on our live-online open enrollment **Public Schedule**.
- **Customizable:** This course agenda, topics and labs can be further adjusted to target your specific training skills objectives, tools and learning goals. Please ask for details.

Overview

React Native is used by organizations worldwide to create cross-platform phone/tablet apps with one code base. This means that you can write code easily that will run on iPhones, iPads, and Android phones and tablets without having to rewrite it in two or more languages -- just one. And that one language is easy to learn if you know React and JavaScript because it is React and JavaScript! Furthermore, these apps run natively and can be deployed to the Apple AppStore or the Google Play store, not web apps that run in some adapter or translator. So, they're faster and more reliable.

Mastering React Native is a hands-on, intermediate and beyond level web development course geared for experienced React developers who need to build and design applications using React Native. Throughout the course you'll explore the core APIs and Components, applying these skills to the course case study project to create a React Native app in class.

Learning Objectives

Working in a hands-on learning environment, guided by our expert team, attendees will learn about and explore:

- React Native: An Introduction
- Getting to Know React Native:
- Core Components in Depth
- Core APIs
- Navigation
- Testing
- Native Modules
- Building and publishing (IOA and Android)

Audience & Pre-Requisites

This is an intermediate-level course for web developers with prior practical experience working with React. Attendees are required to have a very strong grasp of React, Redux and advanced JavaScript.

Take Before: Attendees should have experience with the topics in the following courses, or should have recently attended these as a pre-requisite:

- TT4195 Mastering React | With Redux, Flux, Unit Testing, JSX & More – 5 days

Take After: Our core training courses provide students with a solid foundation for continued learning based on role, goals, or their areas of specialty. Our web developer / full stack learning paths offer a wide variety of continued learning paths such as:

- Additional React, Redux, NodeJS, Fullstack / MERNStack or other next level web development courses

- Advanced React, React Testing, Deep Dives & more
- Please contact us for recommended next steps tailored to your longer-term education, project, role or development objectives.

Enhanced Learning Services: Please also ask about our **Pre-Training Class OnRamp & Prep / Primer** offerings, **Skills Gap Assessment Services, Case Studies, Knowledge Check Quizzes, Skills Immersion Programs & Camps, Collaborative Mentoring Services and Extended Learning Support & Post Training** services.

Course Topics / Agenda

Please note that this list of topics is based on our standard course offering, evolved from typical industry uses and trends. We will work with you to tune this course and level of coverage to target the skills you need most. Course agenda, topics and labs are subject to adjust during live delivery in response to student skill level, interests and participation.

Module 1: React Native: An Introduction

- What Is React Native, Exactly?
- What Does React Native Bring to the Table?
- Getting Started with React Native
- The Core Concepts You Need to Know
 - Virtual DOM
 - Bridges to Everywhere
 - JSX
 - Components
 - Render Life Cycle
 - Props and State
 - Styling

Module 2: Getting to Know React Native

- Components
- Basic Components
- Data Input, Form, and Control Components
- List Components
- Miscellaneous Components
- iOS-Specific Components
- Android-Specific Components
- APIs

Module 3: Getting Started with React Native

- Weather App
- Starting the project
- Expo
- Components
- Custom components

Module 4: React Fundamentals

- Breaking the app into components
- 7 step process
- Step 2: Build a static version of the app

- Step 3: Determine what should be stateful
- Step 4: Determine in which component each piece of state should live
- Step 5: Hardcode initial states
- Step 6: Add inverse data flow
- Updating timers
- Deleting timers
- Adding timing functionality
- Add start and stop functionality
- Methodology review

Module 5: Core Components, Part 1

- What are components?
- Building an Instagram clone
- View
- StyleSheet
- Text
- TouchableOpacity
- Image
- ActivityIndicator
- FlatList

Module 6: Core Components, Part 2

- TextInput
- ScrollView
- Modal

Module 7: Core APIs, Part 1

- Building a messaging app
- Initializing the project
- The app
- Network connectivity indicator
- The message list
- Toolbar
- Geolocation
- Input Method Editor (IME)

Module 8: Core APIs, Part 2

- The keyboard

Module 9: Navigation

- Navigation in React Native
- Contact List
- Starting the project
- Container and Presentational components
- Contacts
- Profile
- React Navigation
- Stack navigation
- Tab navigation
- Drawer navigation
- Sharing state between screens
- Deep Linking

Module 10: Testing

- Flow
- Benefits of Using Flow
- Jest
- Jest with React Native
- Snapshot Testing with Jest

Bonus Content / Time Permitting

Module 11: Native Modules

- What are native modules?
- Building a native module
- Development environment
- Initializing the project
- iOS
- Android
- JavaScript

Module 12: Building and publishing

- Building
- Building with Expo
- iOS
- Android
- Handling Updates

Student Materials & Lab Environment

All course software (limited versions, for course use only), digital courseware files or course notes, labs / data sets and solutions (as applicable) are provided for you in our “easy access / no install required” high-speed remote lab environment. Our tech team works with every student to ensure everyone is set up with working access and ready to go prior to every course start date, ensuring a smooth delivery and great hands-on experience. Please ask for details.

TriveraTech’s React Training Suite

- TT4190 Introduction to React Basics – 3 days
- TT4191 React JumpStart for Experienced Web Developers – 3 days
- TT4192 Mastering React | With Redux, Flux, Unit Testing, JSX & More – 5 days
- TT4193 Intermediate React | Working with React Hooks – 5 days
- TT4194 React Testing Deep Dive – 3 days
- TT4195 Redux Deep Dive – 3 days
- TT4197 Advanced React – 2 days
- TT4199 Mastering React Native – 5 days
- TTDS6904 GraphQL with React – 2 to 3 days
- Please visit our site for the most current list of full stack / modern web development course titles, learning paths and programs.

For More Information

All courses can be presented **onsite** or **online**, or in a **combined / flex / blended learning format**, tailored to target your specific audience, needs and learning goals. We also offer focused, flexible **short courses**, **self-paced learning** options, **recorded sessions** and more. We train beginner to advanced skills in all areas we cover, and offer **New Hire / Cohort Training**, **Boot Camps**, **Skills Immersion Programs**, **Reskilling Programs**, **Skills Migration & Transition Programs**, and more. We collaborate with you to ensure all courses are truly targeted to meet your specific needs and learning skills, maximizing your valuable training time, as well as your important budget.

Please also visit our extensive **Public Training Schedule** for training for smaller groups or individuals. Please contact us for course details, **Corporate Rates** and **Special Discount Offers**.

For more information about our dedicated training services, collaborative coaching services, courseware licensing options, public course schedule, training management services, partner programs, or to see our complete list of course offerings and special offers please visit us at www.triveratech.com, email Info@triveratech.com or call us toll free at **844-475-4559**. Our pricing and services are always satisfaction guaranteed.

TRIVERA TECHNOLOGIES • Collaborative IT Training, Coaching & Skills Development Solutions
www.triveratech.com • toll free +1-844-475-4559 • Info@triveratech.com • Twitter TriveraTech

ONSITE, ONLINE & BLENDED TRAINING SOLUTIONS • PUBLIC / OPEN ENROLLMENT COURSES • COURSEWARE LICENSING & DEVELOPMENT MENTORING • ASSESSMENTS • LEARNING PLAN DEVELOPMENT • SKILLS IMMERSION PROGRAMS / RESKILLING / NEW HIRE / BOOT CAMPS PARTNER & RESELLER PROGRAMS • CORPORATE TRAINING MANAGEMENT • VENDOR MANAGEMENT SERVICES

Trivera Technologies is a Woman-Owned Small-Business Firm

Explore Trivera’s Ways to Learn!

