Getting Started with React | Introduction to React Basics (TT4190)

Category: Software Development & Programming | **Vendor:** Trivera Tech

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

React Essentials is an engaging, three-day course tailored for web developers who are new to React. This course is a perfect starting point for those looking to add this powerful JavaScript library to their skill set. React is renowned for its efficiency in building dynamic user interfaces, making it a valuable asset for any web project. By learning React, you'll be equipped to create more interactive, responsive websites, enhancing both user experience and organizational web strategies.

About This Course

React Essentials is an engaging, three-day course tailored for web developers who are new to React. This course is a perfect starting point for those looking to add this powerful JavaScript library to their skill set. React is renowned for its efficiency in building dynamic user interfaces, making it a valuable asset for any web project. By learning React, you'll be equipped to create more interactive, responsive websites, enhancing both user experience and organizational web strategies.

During the course, you'll explore essential React topics through a mix of lectures and hands-on labs. Throughout the course, you'll dive into the essentials of React, starting with the fundamentals of building your first React web application, where you'll learn about setting up your development environment and creating your initial application. You'll also explore the intricacies of React's component-based architecture, including functional components, and understand the role of JSX in developing intuitive user interfaces. You'll also explore creating and managing web forms, along with an understanding of routing to build multi-page applications. Complementing these core topics, the course also introduces you to

advanced concepts such as the Virtual DOM, state management using Hooks, and essential tools like React Router, ensuring you have a comprehensive foundation in React.

This course prioritizes a practical approach, ensuring that 50% of your time is spent in hands-on labs, solidifying your

understanding through real-world application. Guided by an industry expert, you'll acquire problem-solving skills and gain

confidence in applying your new knowledge immediately in your projects. By the end of the course, you will have not only a theoretical understanding of React but also practical basic experience in its application, ready to enhance your web

development projects with your newfound skills.

NOTE: For a deeper dive into React essentials with extended topics and labs, you might consider the five day React Boot Camp (TT4195) course as an alternative. The five day Boot Camp is a superset of this three day React Essentials (TT4190) course.

Who Should Attend

This course is for intermediate skilled web developers new to React who are proficient in HTML5, CSS3 and JavaScript. This course is not for beginners.

Prerequisites & Entry Requirements

General Prerequisites:

This fast-paced course is for intermediate skilled web developers new to React who are proficient in HTML5, CSS3 and JavaScript.

This course is not for beginners.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Our engaging instructors and mentors are highly experienced practitioners who bring years of current "on-the-job" experience into every classroom. Working in a hands-on learning environment, guided by our expert team, you'll learn how to:

- Develop and Deploy a Basic React Application: Gain basic skills in setting up a React development environment and deploying a basic React web application.
- Work with React Components and JSX: Learn to effectively use class and functional components in React, integrating JSX syntax for dynamic user interface development.
- Implement Forms and Routing in React: Acquire skills in creating and managing interactive web forms and implementing seamless navigation using React Router.
- Apply State Management and Lifecycle Methods: Understand and apply state management using the useState Hook and lifecycle methods with the useEffect Hook in React applications.

If your team requires different topics or tools, additional skills or custom approach, this course may be further adjusted to accommodate. We offer additional full stack development, React, React Native, web development, design and security courses which may be blended with this course for a track that best suits your development objectives.

Detailed Course Outline

Your first React Web Application

¢ Setting up your development environment

¢ JavaScript ES6 /ES7

¢ Next.js Introduction

¢ Getting started

2. Functional Components

¢ What's a component

¢ Class components

¢ Functional components - Motivation behind Hooks

¢ Our first component

¢ Building the App

¢ Props - Making the App data-driven

¢ Events - Your app's first interaction with the useEffect() Hook

¢ State - Updating state with the useState() Hook

3. JSX and the Virtual DOM

¢ React Uses a Virtual DOM

¢ Why Not Modify the Actual DOM

¢ What is a Virtual DOM

¢ Virtual DOM Pieces

¢ ReactElement

4. JSX

¢ JSX Creates Elements

¢ JSX Attribute Expressions

¢ JSX Conditional Child Expressions

¢ JSX Boolean Attributes

¢ JSX Comments

¢ JSX Spread Syntax

¢ JSX Gotchas

5. Forms

¢ Forms 101

¢ Text Input

¢ Multiple fields

¢ Validation

6. Routing

¢ What's in a URL

¢ React Router's core components

¢ Building the components of react-router

7. Advanced Component Configuration with context

¢ Context - Provider/Consumer

¢ useContext() Hook Example

Bonus Content / Time Permitting

8. Unit Testing & Jest

¢ Writing tests without a framework

¢ What is Jest

¢ Using Jest

¢ Testing strategies for React applications

9. Debugging React

¢ Using React Developer Tools

¢ Using Visual Studio Code

¢ OPTIONAL - Using the Chrome Debugger

10. REST

¢ REST Basics

¢ Using fetch

¢ Using axios

11. ES6 Primer

¢ Prefer const and let over var

¢ Arrow functions

¢ Modules

¢ Object.assign()

¢ Template literals

¢ The spread operator and Rest parameters

¢ Enhanced object literals

¢ Default arguments

¢ Destructuring assignments

Additional Course Details

Nexus Humans Getting Started with React | Introduction to React Basics (TT4190) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Getting Started with React | Introduction to React Basics (TT4190) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Getting Started with React | Introduction to React Basics (TT4190)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 3-day Getting Started with React | Introduction to React Basics (TT4190) course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Getting Started with React | Introduction to React Basics (TT4190) training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Getting Started with React | Introduction to React Basics (TT4190)?

Yes, we provide corporate training, dedicated training, and closed classes for Getting Started with React | Introduction to React Basics (TT4190). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: JavaScript; React

Q: Why choose Nexus Human for Getting Started with React | Introduction to React Basics (TT4190)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Getting Started with React | Introduction to React Basics (TT4190) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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