

Introduction to React.js and React Native

What is React.js?

- React.js is an open-source JavaScript library for building user interfaces.
- It is specifically designed for single-page applications and handles the view layer for web and mobile apps.
- React allows developers to create reusable UI components and enables data manipulation without page reloading.
- It focuses on speed, scalability, and simplicity.

React.js Components

- React.js components can be written in JavaScript XML (JSX) or pure JavaScript.
- JSX is an extension of JavaScript that allows HTML quoting and renders subcomponents using HTML tag syntax.
- Components can also be written in pure JavaScript.
- In React, components receive immutable properties (props) and can pass callback

What is React Native?

- React Native is a JavaScript framework for building mobile applications for iOS and Android.
- It is based on React, but instead of targeting the browser, it targets mobile platforms.
- React Native allows developers to create native apps with great user interfaces.
- It was released in 2015 and has gained wide adoption in the developer community.

Working with React Native

- In React Native, immutable values are passed as properties to components.
- Components cannot directly modify properties, but can use callback functions to make modifications.
- React creates an in-memory data structure cache to compute changes and update the browser.
- Props, short for properties, are used to pass

Conclusion

- React.js and React Native are powerful tools for building user interfaces.
- They offer reusable components, efficient data handling, and enable native app development.
- Understanding the concepts of components, props, and state is crucial for developing with React.
- Stay tuned for our next article on the differences between Barbel, Webpack, and