01

What is React?

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React

The library for web and native user interfaces

Learn React   API Reference

What is React?

👉 Send a request to the server to fetch data.

👉 Process data (iterating, filtering, formatting ...)

👉 Use JavaScript to manipulate the HTML DOM

React is an open-source JavaScript library that renders data into HTML views.

Who developed React?

👉 Developed by Facebook, open-source

1. Initially created by Facebook software engineer Jordan Walke

2. In 2011, began experimenting with it in News Feed

3. By 2012, it was deployed on Instagram

4. In May 2013, React was officially announced as open-source

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has rapidly developed and been adopted by an increasing number of companies

Why React?

👉 It is cumbersome and inefficient to manipulate HTML DOM using JavaScript. (DOM API manipulates the UI)

document.getElementById('app')

document.querySelector('#app')

document.getElementsByTagName('span')

Why React?

👉 It is cumbersome and inefficient to manipulate HTML DOM using JavaScript. (DOM API manipulates the UI)

👉 The browser has to do a lot of rerenders when using JavaScript to manipulate HTML DOM
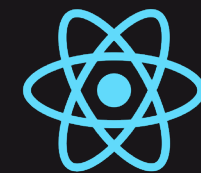
👉 JavaScript doesn't offer a Componentization solution, which means lower code reusability

React's features

👉 **Component-based approach** & **declarative programming** improves development efficiency and enhances component reusability

👉 In React Native, React syntax can be used for **mobile development**.

👉 Using **Virtual DOM** technology, with an excellent **DOM diffing algorithm** which reduces interactions with the real DOM.

Thanks for watching

React 19 Full Course