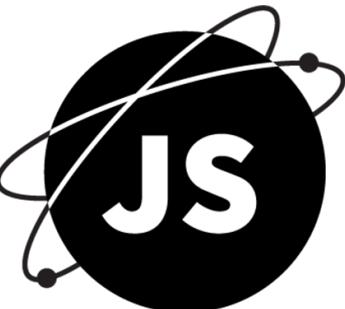




# Learn React.js: From Zero to Hero

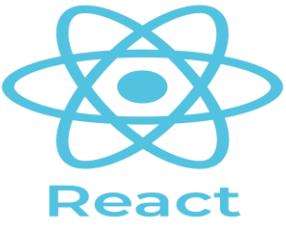


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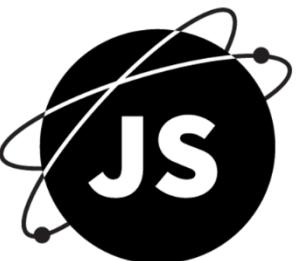
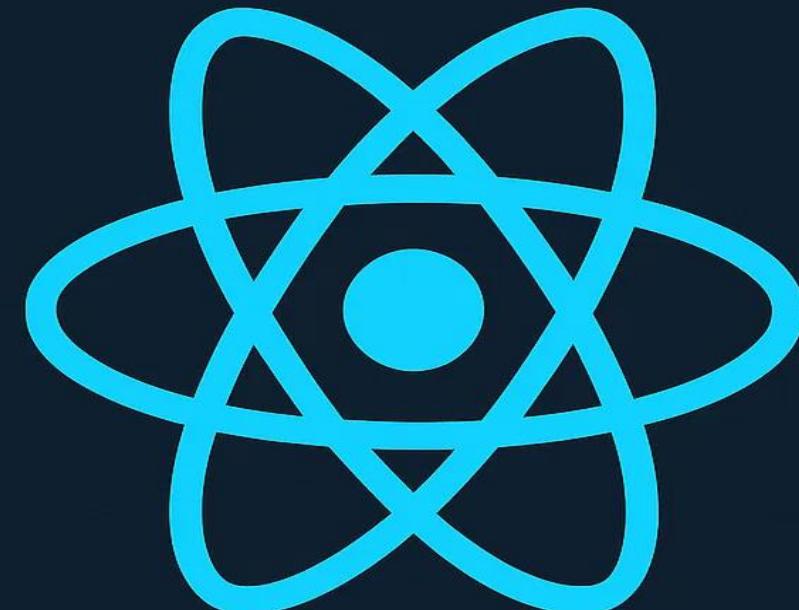
By: Ajeet Kumar





# JavaScript – The Engine That Drives React.js

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That Drives React.js





# JavaScript – The Engine That Drives React.js

React may look like a new technology, but at its core, it is completely dependent on JavaScript. Everything that React does — whether it's creating components, rendering UI, handling data, or managing performance — is actually powered by JavaScript. So, if you understand JavaScript, React automatically becomes easier, faster, and more logical to learn.

- **React is built on JavaScript** – Without JavaScript, React cannot exist, because React itself is just a JavaScript library.
- **JSX is just JavaScript** – JSX looks like HTML, but in the end it is converted into pure JavaScript.
- **Dynamic UI comes from JavaScript** – All interactivity and changes on the screen happen only because of JavaScript logic.
- **State & Props are JavaScript-based** – The way we manage and pass data in React is completely based on JavaScript concepts.
- **Event Handling uses JavaScript** – Whether it's a button click or input change, React handles events with plain JavaScript.
- **React uses JavaScript features** – Features like ES6, functions, objects, arrays, and classes make React powerful.
- **APIs & Data Fetching depend on JavaScript** – React fetches and processes external data using JavaScript methods like `fetch` or `async/await`.
- **Performance Optimization is done with JavaScript** – Tools like `React.memo`, `useMemo`, and `useCallback` work only because of JavaScript logic.

