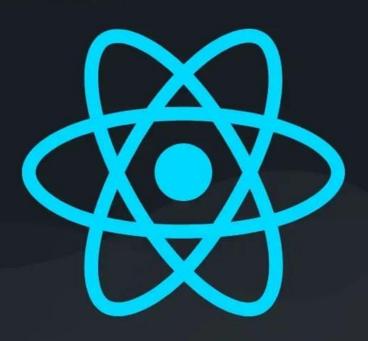
Setup React Environment

& Cloud Based IDE



Mallikarjun | @CodeBustler

Local Machine



🔽 Steps 1 : Install Node.js



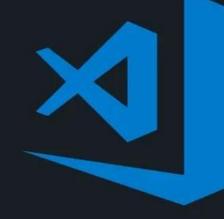
Node.js is a JavaScript **runtime** environment that is required to run React because React apps are built using JavaScript & Node.js provides the environment to execute JS code on the **server-side**.

so make sure you have it installed on your computer. You can download the latest version of Node.js from the official website: <u>https://nodejs.org</u>

Local Machine



Steps 2: Install VS Code

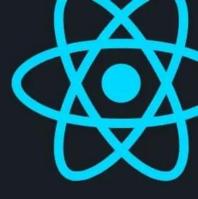


List of popular IDEs for React development,

- Visual Studio Code (VS Code)
- WebStorm
- Atom
- Sublime Text

Best IDE for React development varies based on personal preference and **VSCode** is best & my favorite.

Local Machine





Steps 3 : Create React App

There are many ways to create react app but the **simple & fast** is using

» npm create vite@latest

Other ways are

- npx create-next-app | Next.js
- npx create-remix | Remix
- npx create-gatsby | Gatsby
- npx create-expo-app | Expo
- npx create-react-app appName

It is slow and bulky compared to the modern methods.



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Cloud Based IDEs

Cloud-based IDEs are online software development environments that allow developers to write, edit, compile, and debug code using a **web browser.** Instead of installing and running the IDE on a local computer

These are the best Cloud IDEs

- CodeSandbox
- StackBlitz 🗲
- Replit 📴
- gitpod 6

StackBlitz

```
🖸 Open in New Yab 🔳 Close 🥐
                                                         React Handler = -
                                  M App₁s ×
                                                                                                    Hello
                            export default function App() {
                                                                                                                      Submit
FILES
                              let [name, setName] = useState('');
                              let [headingText, setHeadingText] = useState('');
  M Apple
                              Function onChageHandler(event) [
                              setName(event.target.value);
 41 nackageusor
                              function onClickHandle() [
                               setHeadingText(name);
react-dom
                              return (
                                  <h1>Hello [headingText]</h1>
                                    onChange=(onChageHandler)
                                  <button onClick={onClickHandle}>Submit</button>
```

codesandbox

