React

The Official Roadmap

The Prerequisites

Learning **React** is a great choice for **Frontend Developers** due to it's **large community** and **popularity** in the industry, however, you need to understand that **React** is not a technology for absolute beginners, so here is what you will **need to know:**

✓ **Basic HTML**

- Common Tags
- Attributes
- File Structure

✓ **Basic CSS**

- Applying Styles
- Flexbox Layouts
- Media Queries
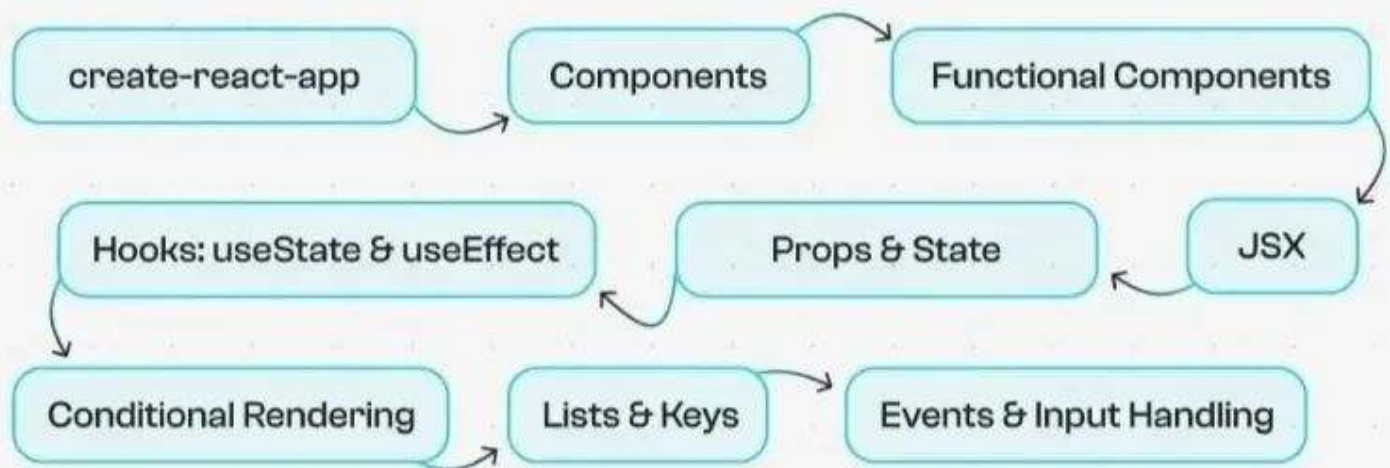
✓ **Good Knowledge of Javascript (ES6)**

- Variables (let, const)
- Loops & Conditionals
- Arrow Functions
- Arrays, Objects
- Imports and Exports
- How to use NPM

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The First Steps

Spend time to **understand the base concepts** of **React** apps, learn how to create a simple application, study the **folder structure** and the concept of components, **your path:**
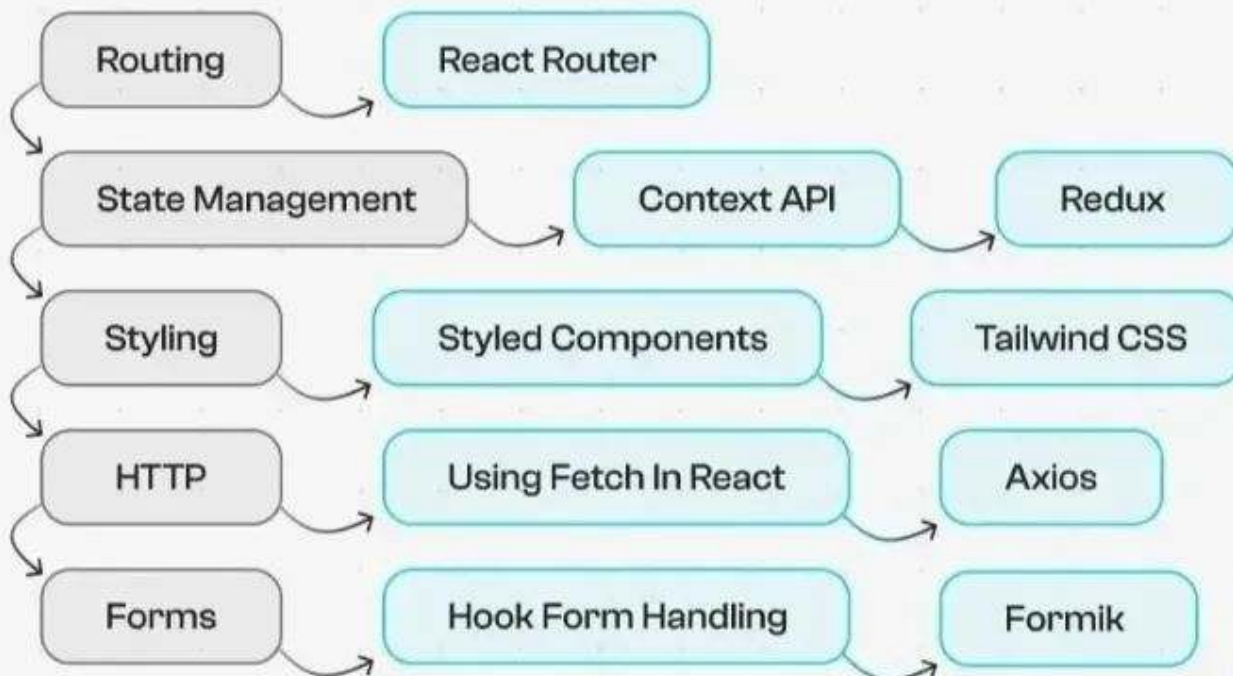
create-react-app → Components → Functional Components

Hooks: useState & useEffect ← Props & State ← JSX

Conditional Rendering → Lists & Keys → Events & Input Handling

Follow the path and make sure to **practice** what you see, not just watch. **Next**, let's learn about the **React Ecosystem.**

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The React Ecosystem

Since **React** is only a **library** and **not a framework**, you will need to work with various other libraries to build **complete apps**, here is the **path to take**:
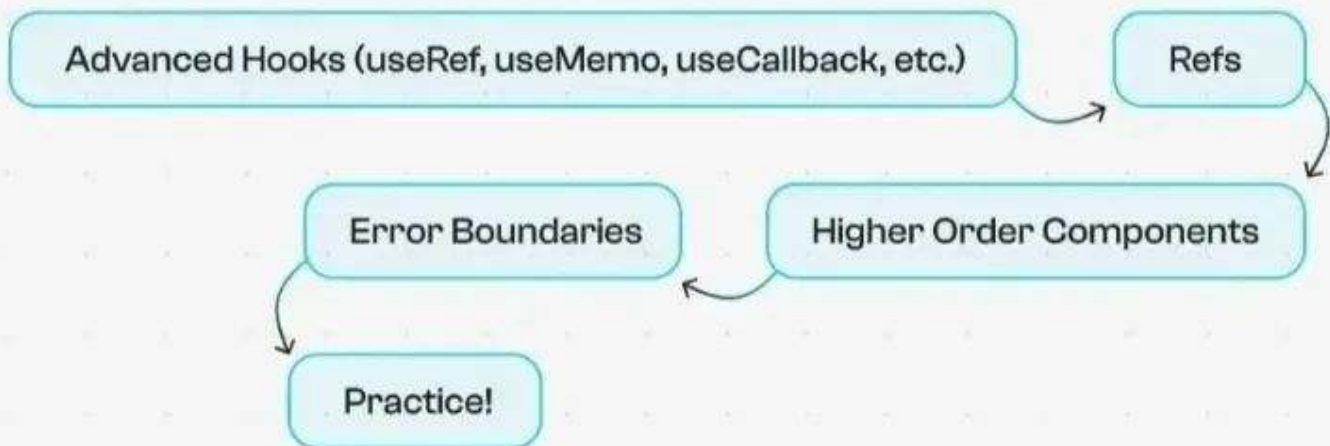
Routing	React Router	
State Management	Context API	Redux
Styling	Styled Components	Tailwind CSS
HTTP	Using Fetch In React	Axios
Forms	Hook Form Handling	Formik

There are plenty of options, but integrating libraries with the core **React** package is something that you will need to master in order to build **advanced applications**.

The Advanced Topics

If you think you mastered the basics, you should move on to **learning these topics:**

Advanced Hooks (useRef, useMemo, useCallback, etc.)

Refs

Error Boundaries

Higher Order Components

Practice!

Now it's time to practice and build some amazing projects and add them to your portfolio to impress!

Next —O

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