React Learning Path - Basics, Intermediate, Advanced

React Basics

1. What is React?

2. Why use React?

3. SPA vs MPA

4. Virtual DOM & JSX

5. Installing Node.js and npm

6. Create React App (CRA)

7. JSX syntax

8. Function components

9. Props and State (useState)

10. Event Handling

11. Conditional Rendering

12. Lists and Keys

13. Basic Forms

14. Styling: Inline, CSS Modules

Intermediate React

1. useEffect, useRef, useContext

2. React Router (Routes, Links, Nested Routes)

3. Lifting State Up & Props Drilling

4. Context API

5. Formik, React Hook Form, Yup

6. Fetching Data (Axios / Fetch + useEffect)

7. Reusable Components & Composition

8. Custom Hooks

9. Code Splitting & Lazy Loading

Advanced React

1. React.memo, useMemo, useCallback

2. Error Boundaries

3. React + TypeScript

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4. Redux Toolkit, Zustand, Recoil

5. React Query

6. Testing (Jest, React Testing Library)

7. SSR/SSG with Next.js

8. Deploying (Vercel, Netlify)

9. Scalable File Structure

10. Compound Components, HOCs, Render Props