

Advanced Reactjs Guide

Mastering React for Advanced Developers

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1. Advanced Hooks

useMemo and useCallback

These hooks are used to optimize performance by memoizing values and functions...

useImperativeHandle

This hook customizes the instance value that is exposed when using ref...

2. Performance Optimization

React.memo

React.memo is a higher order component that prevents unnecessary re-renders...

Lazy Loading

Lazy loading components can improve the performance of your application...

3. Server-Side Rendering (SSR)

Next.js

Next.js is a popular framework for SSR in React applications...

Hydration

Hydration is the process of React attaching event listeners to the HTML...

4. Code Splitting

Dynamic Imports

Dynamic imports allow you to split your code into smaller chunks...

React.lazy and Suspense

React.lazy and Suspense are used for code splitting and lazy loading components...

5. React Patterns

Render Props

Render props is a pattern for sharing code between React components...

Higher Order Components (HOC)

HOCs are functions that take a component and return a new component...

6. State Management

Advanced Redux Patterns

Explore advanced patterns in Redux for managing complex state...

MobX

MobX is a simple, scalable state management solution...

7. Testing in React

Jest and React Testing Library

Jest and React Testing Library are popular tools for testing React components...

End-to-End Testing with Cypress

Cypress is a powerful tool for end-to-end testing in React applications...

8. Security Best Practices

Cross-Site Scripting (XSS)

Learn how to protect your React applications from XSS attacks...

Secure API Calls

Ensure your API calls are secure by using HTTPS and proper authentication...

9. Real-world Advanced Projects

E-commerce Platform

Building an e-commerce platform with advanced features like cart management...

Social Media Dashboard

Create a social media dashboard with real-time updates and notifications...

10. Resources & Further Learning

Advanced React Docs

Explore the advanced sections of the official React documentation...

Online Courses and Tutorials

Platforms like Udemy, Pluralsight, and Coursera offer advanced React courses...