

Unlock all answers









"It's an excellent tool"

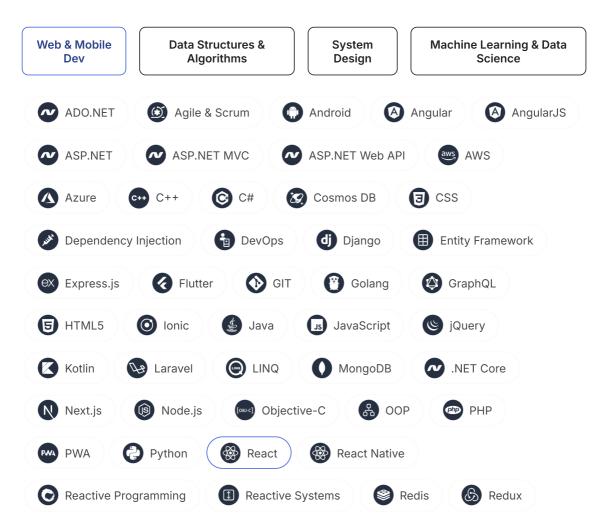


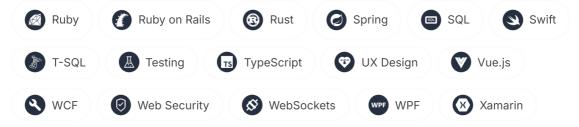
"Fantastic catalogue of questions"

your next tech interview with

Explore our carefully curated catalog of interview essentials covering full-stack, data structures and algorithms, system design, data science, and machine learning interview questions

Start preparing now





100 React interview questions

| | / | $\overline{}$ |
|---|---|---------------|
| 1 | \ | / |
| (| 1 | ^ |
| ` | _ | |

| Only coding challenges | Reset progress | Q | Search |
|------------------------|----------------|---|--------|
| Topic progress: 0% | | | |

| React Basics | | |
|---|----------|--|
| 1. What is React and why is it used? | Question | |
| 2. How is React different from Angular or Vue ? | Question | |
| 3. What is a React component? | Question | |
| 4. How do you create a component in React? | Question | |
| 5. What is JSX and why do we use it in React? | Question | |
| 6. Can you explain the virtual DOM in React? | Question | |
| 7. What are the differences between a class component and a functional component? | Question | |
| 8. How do you handle events in React? | Question | |
| 9. What are state and props in React? | Question | |
| 10. How do you pass data between components in React? | Question | |
| React State Management | | |
| 11. What is a stateful component ? | Question | |
| 12. Can you explain how useState works? | Question | |
| How do you update the state of a parent component from a child component ? | Question | |

| 14. What is lifting state up in React? | Question |
|--|-------------------|
| 15. When do you use Redux or Context API for state management? | Question |
| React Lifecycle & Hooks | |
| 16. Explain the lifecycle methods of a React class component. | Question Question |
| 17. How do hooks work in React? | Question Question |
| 18. Can you describe the useEffect hook and its purpose? | Question Question |
| 19. How do you fetch data with hooks in React? | Question Question |
| 20. What rules do you have to follow when using hooks? | Question Question |
| Component Communication | |
| 21. How do props work in React ? | Question Question |
| 22. What is prop drilling and how can you avoid it? | Question Question |
| 23. Explain the Context API and its use cases. | Question Question |
| 24. How do you use render props ? | Question Question |
| 25. What is the children prop? | Question Question |
| Performance Optimization | |
| 26. Why is performance optimization important in React ? | Question Question |
| 27. What is React.memo and when would you use it? | Question Question |
| 28. How does PureComponent differ from Component in React? | Question Question |
| 29. Can you explain the concept of reconciliation in React? | Question Question |
| 30. How can you prevent unnecessary re-renders in React? | Question Question |
| Styling in React | |
| 31. How do you apply styles in a React application ? | Question Question |
| 32. What is CSS-in-JS and how do you implement it in React? | Question Question |
| 33. Can you describe how Styled-Components work? | Question Question |
| 34. What are the advantages of using Sass or LESS in a React project? | Question Question |

| 35. How do you use inline styles in React? | 8 Question | |
|---|-------------------|--|
| React Routing | | |
| 36. What is React Router? | Question Question | |
| 37. How do you create dynamic routes in React? | Question Question | |
| 38. How would you pass data to routes in React Router v5+? | Question Question | |
| 39. How do you programmatically navigate using React Router? | Question Question | |
| 40. What are route guards and how can you implement them in React? | Question Question | |
| React Patterns | | |
| 41. What are higher-order components (HOCs)? | Question Question | |
| 42. Explain the container/presenter (smart/dumb) component pattern. | Question Question | |
| 43. How would you implement a compound component pattern in React? | Question Question | |
| 44. Explain the use of custom hooks in React . | Question Question | |
| 45. What is a render prop pattern? | Question Question | |
| Form Handling | | |
| 46. How do you handle forms in React ? | Question Question | |
| 47. What is controlled and uncontrolled components? | Question Question | |
| 48. How do you validate forms in React? | Question Question | |
| 49. What is Formik and how is it used in React forms? | Question Question | |
| 50. How do you handle file uploads in React ? | Question Question | |
| React with TypeScript | | |
| 51. What are the benefits of using TypeScript with React? | Question Question | |
| 52. How do you define types for props and state in TypeScript with React? | Question Question | |
| 53. Explain how to use interfaces with React components and TypeScript. | Question Question | |
| 54. How do TypeScript generics enhance react components? | Question Question | |

Testing in React

| 55. Why is testing important in React ? | Question Question | |
|---|--|--|
| 56. What are some common testing libraries for React? | Question Question | |
| 57. How do you test a React component with Jest ? | Question Question | |
| Can you explain the difference between shallow rendering and mount rendering in Enzyme? | Question Question | |
| 59. What is react-testing-library and how is it different from Enzyme? | (3) Question | |
| Advanced React Topics | | |
| 60. What are React fragments and why are they useful? | Question Question | |
| 61. What is React portal and when would you use it? | Question Question | |
| 62. How does error boundary work in React? | (Region Question Ques | |
| 63. What is server-side rendering and how is it done with React? | Question Question | |
| 64. Can you explain the concept of suspense and lazy loading in React? | Question Question | |
| React and SEO | | |
| 65. How does React affect SEO ? | Question Question | |
| 66. What strategies would you use to make a React application SEO-friendly ? | Question Question | |
| 67. How can server-side rendering improve SEO with React applications? | Question Question | |
| React Native | | |
| 68. What is React Native and how is it different from React ? | Question Question | |
| 69. How do you bridge native modules in React Native? | Question Question | |
| 70. Can you describe the layout system in React Native? | Question Question | |
| State Management Libraries & GraphQL | | |
| 71. What is Apollo Client and how does it integrate with React ? | Question Question | |
| 72. How do you manage local state in Apollo Client? | Question Question | |
| 73. What is Redux and how does it contrast with the Context API ? | Question Question | |
| 74. Can you detail the Redux workflow? | Question Question | |
| 75. How do you handle side effects in Redux applications? | Question Question | |

React Development Environment & Tooling

| 76. How do you set up a React project from scratch? | Question Question | |
|---|-------------------|--|
| 77. What is Babel and why do we use it with React ? | Question Question | |
| 78. What is Webpack and what role does it play in React development? | Question Question | |
| 79. How does hot module replacement work in React? | Question Question | |
| 80. What are the features of create-react-app and how do you eject from it? | Question Question | |
| Integrations and API Handling | | |
| 81. How do you handle API calls in React? | Question Question | |
| 82. What is Axios and how is it used over fetch in React applications ? | Question Question | |
| 83. How would you handle WebSocket connections in a React application? | Question Question | |
| What are some strategies used to connect a React front end to a backend server? | Question Question | |
| Deployment and Optimization | | |
| 85. How would you deploy a React application ? | Question Question | |
| 86. How do you optimize the performance of a React application for production ? | Question Question | |
| 87. What are service workers and how can they benefit a React application? | Question Question | |
| 88. How do you configure HTTPS in a React app? | Question Question | |
| Accessibility in React | | |
| 89. Why is accessibility important in web development? | Question Question | |
| 90. How can you make a React application accessible? | Question Question | |
| 91. What is ARIA and how it is used in React? | Question Question | |
| Internationalization and Localization | | |
| 92. What is internationalization (i18n) in React? | Question Question | |
| 93. How do you implement localization (I10n) in a React app? | Question Question | |

React Code Structure & Best Practices

| 94. How do you structure large React applications ? | Question |
|---|-------------------|
| 95. What are some best practices when writing React code ? | Question Question |
| 96. How do you ensure code quality and maintainability in a React project ? React and Git Workflows | Question Question |
| 97. How do you manage feature branches in React development with Git ? | Question Question |
| 98. What are your strategies for resolving merge conflicts in React projects? | Question Question |
| React Interviews Problem Solving and Scenario | S |
| 99. How would you handle a feature request or bug report in an ongoing React project ? | Question Question |
| Describe your process for optimizing a component that has complex state logic and several child components . | Question Question |

Unlock interview insights

Get the inside track on what to expect in your next interview. Access a collection of high quality technical interview questions with detailed answers to help you prepare for your next coding interview.

Track progress

Simple interface helps to track your learning progress. Easily navigate through the wide range of questions and focus on key topics you need for your interview success.

Save time

Save countless hours searching for information on hundreds of low-quality sites designed to drive traffic and make money from advertising.

Land a six-figure job at one of the top tech companies











Ready to nail your next interview?

and get

Kickstart your prep



Terms of

Privacy policy

Pricing

Contacts

© 2024 Devinterview.io