76 React Native interview questions to ask your applicants

Questions

1. What are the main differences between React and React Native?

2. Can you explain how the Virtual DOM works in React Native?

3. How do you manage state in a React Native application?

4. What is the purpose of Flexbox in React Native, and how is it used?

5. Describe the process for integrating third-party libraries in a React Native project.

6. How do you handle performance optimization in React Native applications?

7. What is the role of the React Native bridge?

8. Can you explain how navigation works in React Native and what libraries you prefer for it?

9. What strategies would you use for testing a React Native application?

10. How do you debug issues in a React Native app?

11. Can you explain the concept of 'props' in React Native?

12. What do you understand by 'state' in React Native?

13. Can you describe the lifecycle methods in React Native?

14. What is the significance of 'keys' in lists in React Native?

15. How would you handle user input in a React Native application?

16. What is the role of StyleSheet in React Native?

17. How do you ensure cross-platform compatibility in React Native?

18. How do you handle asynchronous data fetching in React Native?

19. Can you explain how to use React Native Hooks effectively?

20. What are the common pitfalls you encounter when working with React Native, and how do you overcome them?

21. Describe how you manage app navigation state using React Navigation or other libraries.

22. How do you implement animations in React Native?

23. What are some best practices for styling React Native components?

24. How do you handle version control when working on a React Native project?

25. Can you explain the process you follow for continuous integration and deployment (CI/CD) in a React Native environment?

26. What are the key considerations for building a scalable React Native application?

27. How do you manage different environments (development, staging, production) in a React Native app?

28. Describe a challenging bug you encountered in a React Native project and how you resolved it.

29. How do you implement and manage push notifications in a React Native application?

30. What is your approach to handling device-specific features in React Native?

31. Can you explain how to use context API in React Native for state management?

32. How do you manage and optimize images and other media assets in a React Native app?

33. Can you explain the importance of lazy loading in a React Native application?

34. How do you ensure the security of a React Native application?

35. Can you describe how code splitting works in React Native?

36. What are some strategies for handling different screen sizes and orientations in React Native?

37. How do you manage memory and avoid leaks in React Native applications?

38. What is the importance of accessibility in React Native applications, and how do you implement it?

39. Can you explain how to handle offline functionality in a React Native app?

40. How do you approach internationalization (i18n) and localization (l10n) in a React Native application?

41. What is the difference between a component and a container in React Native?

42. Can you explain what a higher-order component is and provide an example of its use?

43. What are React Native elements, and how do they differ from standard React components?

44. How does the use of native modules enhance the functionality of a React Native application?

45. What is the purpose of 'PropTypes' in React Native?

46. Can you describe the purpose of the 'keyExtractor' prop in FlatList?

47. What does the term 'native code' mean in the context of React Native?

48. Can you explain what 'JavaScriptCore' is and its role in React Native?

49. What is the purpose of the 'react-native link' command?

50. Can you explain the concept of 'componentDidCatch' and how it's useful in error handling?

51. How would you optimize the startup time of a React Native application?

52. Can you walk me through your process for implementing a custom UI component in React Native?

53. What steps would you take to reduce the bundle size of a React Native app?

54. How do you approach integrating native functionality that's not available in React Native's core components?

55. Can you describe your workflow for implementing and testing deep linking in a React Native app?

56. What's your strategy for managing and updating dependencies in a long-term React Native project?

57. How would you implement a custom gesture handler in React Native?

58. Can you explain your process for optimizing list rendering performance in React Native?

59. What approach do you take when implementing complex animations that need to work smoothly on both iOS and Android?

60. How do you handle and resolve conflicts between native modules and JavaScript implementations in React Native?

61. Can you describe your method for implementing and managing a global state that persists across app restarts?

62. What steps do you follow to ensure your React Native app meets accessibility standards?

63. You're working on a React Native app that suddenly starts crashing on Android devices but works fine on iOS. How would you approach troubleshooting this issue?

64. A client wants to add a complex animation to their React Native app that's not achievable with the Animated API. What solution would you propose?

65. Your team is debating whether to use React Native or go with native development for a new project. What factors would you consider in making this decision?

66. You've been tasked with improving the performance of a slow React Native app. Walk me through your process for identifying and resolving performance bottlenecks.

67. A junior developer on your team is struggling with state management in a complex React Native app. How would you guide them to implement a more effective state management solution?

68. You're working on a React Native app that needs to support both portrait and landscape orientations. How would you handle layout changes and ensure a smooth transition between orientations?

69. Your React Native app needs to work offline. How would you implement data persistence and sync when the app comes back online?

70. A new team member suggests using a web view for a complex feature in your React Native app. How would you evaluate this suggestion and what alternatives might you propose?

71. You're tasked with integrating a native SDK that doesn't have a React Native wrapper. Walk me through your approach to bridging this gap.

72. Your React Native app is experiencing memory leaks. How would you go about identifying the source of these leaks and resolving them?