

63 Next.js Framework Interview Questions to Ask Candidates

Questions

1. What is Next.js and how does it differ from a standard React application?
2. Can you explain the concept of Server-Side Rendering (SSR) in Next.js?
3. What are static site generation (SSG) and incremental static regeneration (ISR) in Next.js?
4. How does Next.js handle routing, and what are some advantages of its file-based routing?
5. What are the benefits of using the Next.js Image component?
6. Describe the importance of the `getStaticProps` and `getServerSideProps` functions.
7. How do you implement API routes in a Next.js application?
8. What is the role of the `_app.js` file in a Next.js project?
9. Can you explain how to add global styles in a Next.js application?
10. What are environment variables, and how can you use them in a Next.js project?
11. How does Next.js optimize performance out of the box?
12. What is the significance of the Link component in Next.js?
13. Can you discuss how to deploy a Next.js application?
14. What are some common features of Next.js that improve SEO?
15. Explain how you would handle error pages in a Next.js application.
16. What are the differences between client-side and server-side rendering?
17. How do you manage state in a Next.js application?
18. What are some security best practices when working with Next.js?
19. How can you enable TypeScript in a Next.js project?
20. How would you explain the concept of dynamic routing in Next.js to someone unfamiliar with it?
21. What are some advantages of using Next.js for building a React application?
22. How does Next.js handle image optimization?
23. Can you explain the purpose of the `next.config.js` file in a Next.js project?
24. What is the purpose of the `pages/_document.js` file in a Next.js application?
25. How does Next.js support CSS and Sass for styling components?
26. What are some common use cases for API routes in a Next.js application?
27. How would you handle internationalization (i18n) in a Next.js application?
28. What are some best practices for optimizing a Next.js application for SEO?
29. Can you explain the significance of middleware in Next.js and how it can enhance application functionality?
30. What strategies would you use to implement authentication in a Next.js application?
31. How do you manage and deploy a large-scale Next.js application effectively?
32. Can you discuss how to leverage Next.js API routes for a microservices architecture?
33. What are some challenges you might face when integrating third-party libraries with Next.js?
34. How do you implement lazy loading of components in a Next.js application?
35. Can you explain the differences between static and dynamic routes in Next.js and provide examples of when to use each?
36. What role does the `getInitialProps` function play in data fetching, and how does it compare to `getStaticProps`?
37. How would you optimize a Next.js application for mobile performance?
38. What techniques would you use to implement custom server-side logic in a Next.js app?
39. Can you explain the role of the `next/image` component and its benefits over traditional image handling?
40. How do you handle cross-origin resource sharing (CORS) in a Next.js project?
41. What are some best practices for organizing and structuring a Next.js project for maintainability?
42. How would you approach testing a Next.js application, and which tools would you recommend?
43. Can you discuss the implications of using Next.js in a headless CMS setup?
44. How do you handle deployment and versioning of a Next.js application across different environments?
45. What are some strategies for caching responses in a Next.js application to improve performance?
46. Can you explain how Next.js handles nested routes?
47. What is dynamic routing in Next.js and how does it work?
48. What are catch-all routes in Next.js and when would you use them?
49. How can you redirect routes in Next.js?
50. What is the role of `useRouter` in Next.js?
51. How do you handle route-based data fetching in Next.js?
52. What is shallow routing in Next.js and how does it benefit performance?
53. How do you handle custom 404 pages in Next.js?
54. What are the advantages of Server-Side Rendering (SSR) over Static Site Generation (SSG) in Next.js applications?
55. Can you explain how Next.js achieves Server-Side Rendering and what happens during the server-side process?
56. How does data fetching differ between SSR and client-side rendering in Next.js?
57. What are some common use cases for implementing Server-Side Rendering in a Next.js application?
58. How can you handle authentication in a Server-Side Rendered Next.js application?
59. What strategies would you recommend for managing performance when using SSR in Next.js?
60. How do you implement caching for Server-Side Rendered pages in Next.js?
61. Can you discuss the impact of SSR on SEO and how it differs from client-side rendering?