

- What is the purpose of React Hooks, and how have you used them in your projects?
- How do you manage state in a React application? Explain your experience with Redux-Toolkit?
- Can you explain server-side rendering in Next.js? How does it improve performance?
- Walk me through a project where you used the MERN stack. How did you structure your code?
- How do you handle authentication in a MERN stack application? Explain your experience with JWT.
- How do you manage database relationships in MongoDB using Mongoose?
- What strategies do you follow to ensure responsive web design across devices?
- How do you optimize frontend performance in a React or Next.js application?
- Can you share an example where you used Framer Motion for animations?
- How do you structure RESTful APIs in Node.js using Express.js?
- How do you handle asynchronous operations in Node.js, and why is it important?
- What tools do you use for API testing, and how do you ensure your APIs are secure?
- Tell me about the admin panels you created. What were the key features, and how did you implement role-based authentication?
- How did you integrate Chart.js into your token presale platform? What challenges did you face in data visualization?
- How have you collaborated with cross-functional teams to meet project deadlines?
- Share a time when you had to refactor code to improve performance. What approach did you take?

General Questions:

- What has been the most challenging project you worked on, and how did you overcome the challenges?
- How do you stay updated on new web development trends and technologies?
- How do you approach problem-solving when faced with a difficult task in development?
- How do you prioritize tasks when working on multiple projects with tight deadlines?
- What is the difference between client-side and server-side rendering? When would you choose one over the other?
- Explain the importance of version control (Git) in team projects and your workflow.

Advanced Technical Questions:

- How do you manage side effects in React using `useEffect`? Can you give an example from your project?
- What is the difference between client-side routing and server-side routing in Next.js? How do they impact SEO and performance?
- How do you handle global state management in a large React application?
- How do you optimize a React application for faster load times? What tools do you use to measure performance?
- Can you explain how lazy loading and code splitting work in React or Next.js?
- Describe how you handled a performance bottleneck in one of your past projects and the steps you took to resolve it.

- How do you secure API routes in Node.js? What libraries do you use?
- How do you handle data validation and sanitization in a MERN stack application?
- What are common security vulnerabilities in web applications, and how do you prevent them? (e.g., Cross-Site Scripting (XSS), SQL Injection)
- How do you design a MongoDB schema? Can you describe a schema from a recent project?
- What's the difference between NoSQL (MongoDB) and SQL databases, and why did you choose MongoDB for your project?
- How do you handle database migrations and version control with MongoDB?
- What types of testing do you implement in your projects (e.g., unit testing, integration testing)? Which tools do you prefer?
- How do you approach debugging in a Node.js application? Can you give an example of a difficult bug you fixed?
- How do you ensure code reliability and reduce bugs before deploying a project?
- How do you deploy a MERN stack application? Can you walk me through your deployment process?
- Have you worked with any cloud platforms like AWS, Heroku, or Vercel? How do you handle CI/CD (Continuous Integration/Continuous Deployment)?
- What steps do you take to monitor and maintain a live application post-deployment?

Behavioral and Problem-Solving Questions:

- Can you describe a time when you had a conflict with a team member and how you resolved it?
- How do you communicate complex technical issues to non-technical stakeholders?
- Tell me about a project where you had to collaborate with designers and back-end developers. How did you ensure smooth communication?
- How do you approach learning a new technology or framework? Can you give an example of when you had to learn something quickly for a project?
- Describe a time when you had to pivot a project or change direction based on feedback. How did you handle it?
- How do you manage tight deadlines and competing priorities in a fast-paced environment?
- Can you share an example of a time when you had to work on multiple projects simultaneously? How did you ensure all deadlines were met?

Project-Specific Questions:

1. Token Presale Platform:

- What was the biggest challenge you faced when building the token presale platform? How did you overcome it?
- How did you ensure the platform's support for multiple blockchain currencies? What tools or libraries did you use?
- How did you handle the responsive design of the platform to ensure it worked seamlessly across devices?

2. Full-Stack Applications:

- How do you structure a full-stack application to ensure scalability and maintainability?
- What was the most challenging part of building the admin panels for your web applications? How did you handle user authentication and role-based access?
- How do you handle error logging and monitoring in your applications?

Conceptual Questions:

- Why is Node.js considered single-threaded, and how does it handle asynchronous operations efficiently?
- Can you explain how middleware works in Express and provide an example of how you've used it in a project?
- What is the virtual DOM in React, and how does it improve performance?
- Explain the concept of lifting state up in React. When would you use it?
- How do you implement conditional rendering in React? Can you provide a real-world example?
- How do you handle third-party API integrations in a React application?
- What steps do you take to ensure API requests are efficient and don't negatively impact the user experience?
- Have you worked with GraphQL? How does it differ from RESTful APIs?

Final Round Questions:

1. **What do you consider your biggest strength as a developer, and how has it contributed to your success in previous roles?**
2. **What was the most important lesson you've learned while working on your projects?**
3. **Where do you see yourself growing in the next few years in terms of technical skills and career development?**