

Here's a comprehensive list of technical questions based on your resume to help you prepare thoroughly. These questions cover various aspects of your skills, experiences, and projects:

Programming and Technical Knowledge

1. What are the key differences between C++, JavaScript, and Java?
 2. How do you approach debugging complex code in JavaScript?
 3. Can you explain how middleware works in Express.js?
 4. What is the role of RESTful APIs in web development, and how have you implemented them?
 5. How do you ensure security when handling user data in your projects?
 6. Explain the difference between SQL and NoSQL databases. When would you choose one over the other?
 7. What is state management in React, and how did you implement it in your Tic-Tac-Toe game?
 8. How do you optimize database queries for better performance?
 9. What is the importance of manual testing in the development cycle, and how do you approach it?
 10. What is the DOM, and how does React handle it differently from vanilla JavaScript?
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Projects

Health Hub Store (PHP, HTML, CSS, SQL)

11. How did you optimize the user experience by 25% in the Health Hub Store project?
12. Can you explain how you implemented secure checkout functionality?
13. What challenges did you face while integrating SQL with PHP, and how did you overcome them?

Regulate Contact (Node.js, Express.js, MongoDB)

14. How did you ensure secure user authentication in the Regulate Contact project?
15. What strategies did you use to reduce query response time by 30%?
16. Can you explain the role of middleware in the routing process for this project?

Tic-Tac-Toe Game (React, CSS)

17. How did you implement efficient state management for the game logic?
 18. What considerations did you make to ensure a responsive user interface?
 19. How would you add additional features, like multiplayer functionality, to the Tic-Tac-Toe game?
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Internships

Web Developer Intern (WebTrove Software Solution)

20. What was your approach to building scalable backend solutions with Node.js during your internship?
21. How did you collaborate with cross-functional teams to deliver high-quality projects?
22. Can you explain the integration process of MongoDB and RESTful APIs in your projects?

Rajavi Solutions Internship

- 23. How did you utilize Python and AI technologies during your internship?
 - 24. What is RPA (Robotic Process Automation), and how did you implement it in your projects?
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Data Structures and Algorithms (DSA)

- 25. You've solved 450+ LeetCode problems. What's the most challenging problem you've encountered, and how did you solve it?
 - 26. How do you approach optimizing algorithms for space and time complexity?
 - 27. Can you explain the difference between recursion and iteration, and when to use each?
 - 28. What is the difference between a binary tree and a binary search tree?
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Web Development

- 29. What are the key features of the MERN stack, and why is it suitable for full-stack development?
 - 30. How do you handle errors and exceptions in React and Node.js?
 - 31. What is the importance of using Bootstrap or Tailwind in frontend development?
 - 32. Can you explain how you manage version control in collaborative projects using Git and GitHub?
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Certifications and Achievements

- 33. How did completing the Blockchain Workshop enhance your knowledge of decentralized systems?
 - 34. How has solving problems on platforms like LeetCode and GeeksForGeeks improved your problem-solving abilities?
 - 35. How do you plan to leverage your certification in Python and Java to advance your career?
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General Problem-Solving and Analytical Thinking

- 36. Describe a technical challenge you faced in one of your projects and how you resolved it.
 - 37. How do you prioritize tasks when working on multiple projects simultaneously?
 - 38. What steps do you take to ensure that your code is clean, maintainable, and scalable?
 - 39. How would you debug a slow-loading web application?
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Future Potential and Role Fit

40. How do your technical skills and project experiences align with this role?
 41. What emerging technologies are you most excited about, and how do you plan to incorporate them into your work?
 42. How would you contribute to the success of our team using your skills and knowledge?
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Let me know if you'd like help with answering any of these questions! 😊