

51 Back End Developer Interview Questions to Ask Your Next Candidate

Questions

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9. Can you explain the role of an API and how you would implement one in a project?
10. What is the difference between synchronous and asynchronous programming, and when would you use each?
11. How do you handle version control in your projects, and which tools do you prefer?
12. Can you describe a situation where you had to troubleshoot a performance issue in a back-end service?
13. What strategies do you use for testing your back-end code and ensuring its reliability?
14. How do you manage dependencies in your back-end projects?
15. What is your experience with cloud services, and how do you utilize them in back-end development?
16. Can you explain the difference between REST and GraphQL APIs?
17. How do you ensure data integrity when interacting with databases?
18. What tools or methods do you use for logging and monitoring your applications in production?
19. How would you approach writing documentation for a new feature you developed?
20. What do you understand by microservices architecture, and how does it differ from monolithic architecture?
21. Can you explain how you would implement authentication and authorization in an application?
22. What is your experience with containerization, and how do you use it in your projects?
23. How do you stay updated with the latest back-end technologies and practices?
24. What is your approach to handling user input and preventing common security vulnerabilities?
25. Can you provide an example of how you've used caching to improve application performance?
26. What role does data modeling play in your development process?
27. How do you prioritize tasks and manage deadlines in a back-end project?
28. Can you discuss the significance of using a framework in back-end development?
29. What are some best practices you follow while writing SQL queries?
30. Can you explain the concept of ACID properties in database systems?
31. How do you approach database schema design during the development process?
32. What factors do you consider when choosing a database management system for a project?
33. How do you ensure data security and privacy within a database?
34. What are the common challenges you face with database backups and how do you address them?
35. How do you handle database migration when upgrading systems or moving to a new platform?
36. Can you describe a situation where you optimized a query and what impact it had?
37. What is your approach to handling and storing large volumes of data?
38. How do you maintain data integrity across distributed systems?
39. How would you design an API to handle high traffic and ensure scalability?
40. Can you explain the process of versioning an API and why it's important?
41. What strategies do you use to secure an API against common vulnerabilities?
42. How do you handle rate limiting in an API to prevent abuse?
43. Can you describe a situation where you had to debug a complex API integration issue?
44. What tools do you prefer for API documentation and why?
45. How do you approach testing an API, both for functionality and performance?
46. Can you explain the concept of idempotency in API design and when it's crucial?
47. What considerations do you take into account when designing API endpoints?
48. How do you handle error responses in APIs to make them user-friendly and informative?
49. Can you describe your experience with implementing webhooks in an API?
50. What strategies do you use for API caching to improve performance?
51. How do you ensure backward compatibility when updating an existing API?
52. Can you explain the benefits and challenges of using microservices for API architecture?