

COMPANY SPECIFIC Interview QUESTIONS Related to Project

Capgemini, Accenture, TCS, Infosys, LT1 MindTree, Cognizant



**Note: - All the questions which are specified here are not related to every type of project**

**Project-based interview questions are a great way for interviewers to understand your practical experience and problem-solving skills.**

**While answering these questions the following points keep in your mind:**

* Be specific about your role in the project
* Clearly explain the problem, your approach, and the outcome
* Highlight any innovative solutions or technologies you used
* Discuss any lessons learned or things you might do differently
* Be prepared to dive into technical details if the interviewer asks for them

**Some project-based interview questions you might encounter:**

1. Describe a challenging project you've worked on. What were the main obstacles, and how did you overcome them?
2. Can you walk me through the architecture of a recent project you've worked on?
3. How do you approach scaling a system that suddenly experiences a 10x increase in traffic?
4. Describe a time when you had to optimize the performance of an application. What steps did you take?
5. Have you ever had to refactor a large codebase? How did you approach this task?
6. Tell me about a time when you had to implement a complex algorithm in one of your projects. How did you ensure its correctness and efficiency?
7. Describe a project where you had to integrate multiple APIs or services. What challenges did you face?
8. Have you ever implemented a caching system? In what context, and what were the results?
9. Tell me about a time when you had to make a difficult technical decision in a project. How did you approach it?
10. Describe a project where you implemented security measures. What threats did you address and how?
11. Have you ever had to debug a particularly tricky issue in production? How did you go about it?
12. Tell me about a time when you had to work with a legacy system. What approach did you take to understand and improve it?
13. Describe a project where you used cloud services. Which services did you use and why?
14. Have you ever had to design and implement a database schema for a complex system? Walk me through your approach.
15. Tell me about a time when you had to optimize database queries in a project. What techniques did you use?
16. Describe a project where you implemented automated testing. What types of tests did you write and why?
17. Have you ever had to implement a real-time feature in an application? What technologies did you use?
18. Tell me about a project where you had to handle large amounts of data. How did you ensure efficient processing and storage?
19. Describe a situation where you had to make trade-offs between different non-functional requirements (e.g., performance vs. maintainability).
20. Have you ever had to implement a recommendation system? What approach did you take?
21. Tell me about a time when you had to ensure high availability in a system you were building.
22. Describe a project where you implemented user authentication and authorization. What security measures did you put in place?
23. Have you ever had to optimize the front-end performance of a web application? What techniques did you use?
24. Tell me about a time when you had to integrate machine learning into an application. What was the use case and how did you approach it?
25. Describe a project where you had to implement a complex state management system in a front-end application.