https://www.youtube.com/DebugWithShubham

https://instagram.com/debugwithshubham

https://www.linkedin.com/in/debugwithshubham/

https://topmate.io/debugwithshubham

https://web.telegram.org/k/#@debugwithshubham

cognizant

debugwithshubham   debugwithshubham   debugwithshubham

Cognizant GenC 2025

TOP-15 Project-Based

Interview

Question

With

Answers

By- Shubham Maurya

Q1. Explain your project

Best Answer Structure (Yaad Rakho – 1 Minute Rule):

- -Project name

- -Problem statement

- -Technologies used

- -Your role

- -Outcome

Answer:

My project name is Online Student Management System.The problem was managing student records manually. I used Java, MySQL, and HTML. My role was backend development and database design. his system reduced manual work and improved data accuracy.

Bro Never explain project for more than 1 minute unless asked.

Q2. Why did you choose this project?
Answer:
I chose this project because it solves a real-world problem and helped me understand backend logic database handling and application flow.

Q3. What was your exact role in the project?

Wrong answer: I did everything.

Answer
I mainly worked on backend logic, wrote SQL queries, and integrated frontend with backend. I also helped in testing and debugging.

Interviewer wants to know what YOU did, not the team.

Q4. What technologies did you use and why?
Answer:

I used Java because it is platform-independent and widely used in enterprise applications. MySQL was used for structured data storage, and HTML/CSS for frontend.

Always add WHY, not just WHAT.

Q5. Explain the database design of your project
Answer:
I designed tables based on entities like User, Admin, and Records.
Primary keys were used for unique identification and foreign keys for relationships to maintain data integrity.

Even basic explanation is enough.

Q6. What challenges did you face in the project?
Answer:
One challenge was handling duplicate data and validating user inputs.
I solved this by applying constraints in the database and adding validation logic in code."

Interviewers LOVE problem-solving stories.

Q7. How did you handle errors or debugging?
Answer:
I used console logs, checked error messages, and tested different scenarios.
I also referred to documentation and online resources when required.

Q8. How is your project useful in real life?
Answer:
This project can be used by organizations to manage data efficiently, reduce manual effort, and improve accuracy.

Q9. If you had more time, what improvements would you make? **Answer**
Answer:
I would improve security, add role-based access, optimize database queries, and enhance the UI.

Shows learning mindset.

Q10. What did you learn from this project?
Answer:
I learned how real-world applications are built, how frontend and backend communicate, and how to debug issues effectively.

Q11. Did you work alone or in a team?
Answer:

I worked in a team, but I was responsible for my assigned modules and coordinated with teammates when needed.

Q12. Can you explain one feature in detail?
Answer:

One feature was user authentication.
It validates credentials, checks them against the database, and allows access based on roles.

Q13. How does data flow in your project?
Answer

User input → frontend → backend logic → database → response back to UI.

Simple flow explanation = confidence.

Q14. What will you do if your project fails in production?
Answer:

I would first check logs, identify the issue, rollback if needed, and then apply a fix after proper testing.

Q15. How is your project related to this job role?
Answer:

My project helped me understand core concepts like databases, backend logic, and debugging, which are directly useful for this role at Cognizant.