

Wipro Data Engineer Interview Guide – Experienced 2+

Round 1: Technical + Managerial Interview

1. Introduction

The interviewer started with a brief introduction and asked me to provide an overview of my background. This is your chance to set the tone by summarizing your skills and relevant experiences.

2. Project Discussion

A discussion about my current and past projects followed. The interviewer was particularly interested in the technologies I used, challenges I faced, and the solutions I implemented.

Example Questions:

- Can you describe a project where you handled large volumes of data?
- How did you design the data pipeline for your most recent project?
- What challenges did you face with data integration and how did you resolve them?
- Which cloud services (AWS or others) did you leverage in your project? Why?

3. SQL Questions

I was asked several medium-to-hard SQL questions focusing on joins and window functions (RANK(), DENSE_RANK(), FIRST_VALUE(), LAST_VALUE()).

Example Questions:

- Write a query to find the top three highest-paid employees in each department using window functions.
- Explain the difference between RANK() and DENSE_RANK().
- How would you retrieve the first and last order for each customer from a sales table?
- Demonstrate how to use a LEFT JOIN to combine data from two tables and handle null values.

4. AWS Questions

The interviewer asked about my experience with AWS and its services relevant to data engineering.

Example Questions:

- How do you manage data storage in AWS?
- What is the difference between S3 and EFS? When would you use each?
- Explain the process of setting up an ETL pipeline using AWS services.
- How would you optimize cost when using AWS for large-scale data processing?

5. Situational Questions by Manager

The manager asked questions to gauge problem-solving skills and decision-making under real-world scenarios.

Example Questions:

- How would you handle a situation where a critical data pipeline fails just before a deadline?
- Suppose two teams have conflicting requirements for the same data. How would you manage the situation?
- What would you do if a stakeholder requested a last-minute change to a project deliverable?
- Can you describe a time when you had to push back on a requirement due to technical constraints?

Round 2: HR Round

This round focused on behavioral and situational questions, as well as salary negotiations.

1. Basic HR Questions

The HR representative asked questions to understand my motivations, work preferences, and cultural fit.

Example Questions:

- Why are you interested in this role?
- What are your greatest strengths and weaknesses?
- How do you handle feedback and criticism?
- Where do you see yourself in five years?

2. Situational-Based Questions

These questions tested my problem-solving skills and how I handle workplace dynamics.

Example Questions:

- Describe a time when you had to resolve a conflict within a team.
- How do you prioritize tasks when managing multiple projects simultaneously?
- What steps do you take to ensure effective communication in a remote team?
- Can you provide an example of a time when you went above and beyond for a project?

3. Salary Discussion

The final part of the round involved discussing salary expectations and benefits.

Example Questions:

- What are your salary expectations for this role?
- Are you open to relocation or a hybrid work model?
- What benefits or perks are most important to you?
- How do you handle negotiations if your expected salary isn't met?

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