Cognizant Azure Data Engineer Interview Guide – Experienced 7+

Interview Process Breakdown

Round 1: Technical Interview (30 mins to 1 hour)

A mix of coding, SQL, PySpark, and theoretical questions.

Questions:

1. Tell me about yourself, including your current project.
2. Solve a coding question related to window functions using SQL and PySpark.
3. Given a string 'AAAVGXFHHFSGFGGLK', find the non-repeating letters.
4. Convert the list [1, [2, 3], 4, 5, 6, [7, 8, 9]] to a single list [1, 2, 3, 4, 5, 6, 7, 8, 9].
5. Explain Integration Runtime in Azure Data Factory (ADF).
6. How would you copy 1TB of data daily?
7. How would you copy files and folders present in Azure Data Lake Storage (ADLS)?

Round 2: System Design

Focus on designing scalable data pipelines and addressing project-specific scenarios.

Questions:

1. Business generates TBs of data daily. How would you design the data pipeline in Azure?
2. How would you process Excel files with multiple sheets? Design the data pipeline.
3. What are the different data sources you have used?
4. What are Spark optimizations, and can you explain them?
5. What architecture are you following in your current project, and why?
6. What is Unity Catalog, and how is it implemented in your project?

Round 3: HR Discussion

A formal session for document verification and onboarding formalities.

Questions:

1. HR will request initial documents, including declaration forms and your previous offer letter.

Round 4: HR Compensation Negotiation

Final round to negotiate the salary package.

Questions:

1. HR will discuss salary and try to negotiate as per the budget.

Glassdoor Cognizant Review –

https://www.glassdoor.co.in/Reviews/Cognizant-Technology-Solutions-Reviews-E8014.htm

Cognizant Careers –

https://careers.cognizant.com/india-en/

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