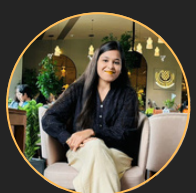




Atlassian Data Engineer Interview Experience



Ankita Gulati



Pooja Jain



ROUND - 1

Screening

- 1. Tech Stack Basics:** Covered foundational aspects of Big Data, Python, and SQL.
- 2. Understanding Intactness:** Aimed to gauge the familiarity and comfort level with the technology stack.
- 3. Write a SQL query** to find the top 3 products by total sales amount in each region for the last quarter.
- 4. Python code** - Given a list of integers, return all pairs that sum up to a target value.
- 5. How would you design a data pipeline** to process and aggregate user activity logs in near real-time? Which tools would you use and why?

Assessment Criteria: Correctness, clarity of reasoning, handling constraints, and communication

ROUND - 2

Technical

SQL Proficiency: Tackled LeetCode medium questions, with a special emphasis on window functions and pivot.

Problem Solving & DSA: Grilled on Medium LeetCode problems for Lists and Easy LeetCode problems for Strings.

Sorting and Searching Techniques: Delved into understanding time complexities and use cases.

SparkSQL Challenge: Emphasised parsing Json-formatted strings, with a spotlight on `regex_replace`, `explode`, and `concat_ws`.

ROUND - 3

Data Modelling & Advance Concepts

Spark and Advanced SQL Exploration:

Ventured into Spark optimizations covering caching, parallelism, AQE, salting on Skewed data, and speculative execution.

Data Pipeline Design: Explored the intricacies of designing data pipelines, encompassing ingestion, transformation, data warehousing, and analysis.

Delta Lake Insights: Discussed advantages and operations on delta tables, including Merge and Schema evolution.

Dimensional Modelling: Constructed fact tables and Dimensional tables, engaging in brainstorming about types of facts and dimensions.

Advanced SQL: Tasked with building an SCD table with change history, accompanied by insightful queries.

ROUND - 4

Techno-Managerial

Project-related Discussions: Shifted focus towards the managerial side, delving into past work, projects, and experiences.

Team Collaboration: Describe a time when you resolved a conflict within your team. What steps did you take?

Ownership: Give an example of when you took initiative to improve a process or system at work. What was the outcome?

Holistic View: Explored a comprehensive view of both technical and managerial aspects.

FINAL ROUND

Values

Cultural Alignment: Assessed alignment with Atlassian values and cultural fit within the team like collaboration & adaptability.

Team Fit Evaluation: An opportunity to showcase not just technical skills but also how well the candidate resonates with the team culture.

Situational: Handling mistakes, learning from failures, and working in teams

Decision Making

Feedback Sharing: The feedback gathered from each round is collectively shared with the team.

Holistic Assessment: Decision-making is not solely based on technical skills; it considers alignment with values and team fit.

All the best for your upcoming
interviews!

2025

THANK
YOU

Stay tuned for more
data engineering
experiences



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