Expedia Data Engineer III

Round 1: Technical Interview

Focus Areas:

1. **SQL Problem - Average Session Time:**

   Calculate the average session duration per user for the Expedia website.

2. **SQL Problem - Currency Exchange Rates:**

   Given exchange rates for USD to INR with timestamps:

   - Find the ticket price in rupees for various dates.
   - Trick: Use the latest exchange rate based on the timestamp for each date.

3. **Python Coding - Kth Smallest Element in BST:**

   Solve for the Kth smallest element in a Binary Search Tree.

   Hint: Perform an in-order traversal and fetch the (k-1)th element from the list.

4. **Experience Discussion:**

   Discussion about my tenure at Expedia.

   The interviewer, having joined a year ago, was curious about Expedia 5 years ago.

Round 2: Hiring Manager Discussion

Focus Areas:

1. **Current Projects:**

   Deep dive into my ongoing projects at Amazon and their relevance to the role.

2. **Data Modelling Problem:**

   Scenario: Consolidate hotel reviews and create a dashboard.

   - Asked clarifying questions about attributes and expected insights.
   - Designed a data model for the reviews, which the manager found satisfactory.

3. **AWS Analytics Stack:**

   Discussed my experience with:

   - Amazon Redshift for data warehousing.
   - AWS Lambda for serverless compute.

Round 3: Final Discussion (Director)

Key Points:

1. **Short Round (40 mins):**

   The director was already familiar with my previous work at Expedia.

2. **New Project Expectations:**

   Discussed their new projects, including timelines and deliverables.

3. **Reasons for Returning to Expedia Group:**

   Shared specific learnings and practices from my tenure at Amazon that I'd bring back.

4. **Positive Ending:**

   The discussion ended on a good note, and the director seemed quite happy and satisfied.

   I felt confident about being selected after this round.

Key Takeaways:

- **SQL and Python Skills:** Real-world problem-solving on session durations, currency conversion, and coding challenges (BST).

- **Data Modelling:** Be prepared for ad-hoc modelling problems by asking clarifying questions.

- **Behavioral Fit:** Share meaningful insights from past experiences and align them with future expectations.

Glassdoor Expedia Review –
https://www.glassdoor.co.in/Reviews/Expedia-Group-Reviews-E9876.htm

Expedia Careers –
https://careers.expediagroup.com/jobs/

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