from leetcode

Phone Interview

SQL : Given schema about products, categories, customers, orders etc. Questions were like

1. Query to get customers that dont have any orders

2. Get top 3 customers for each product

3. Get most ordered products for each category

Coding:

1. Buy Sell problem-1

2. Get words in a sentence

Onsite

Behaviorial

1. Whats your 90 day plan
2. How do you prioritize
3. What can you talk about in detail (I was not able to understand what was questioned, later it hit me that they want to know what are you passionate about)
4. Why FB
5. Why DE
6. What is the goal of DE
7. Diff between Data Engineer & Data Scientist

Tech1

1. Was given a line graph with a spike in month time line? What do you think happened? I gave 8 different reasons. The interviewer was looking for specific reason "new users"
2. Given an table structure of identifying users as new/returned/churn/active. Create a table that would be cumulative. Again, the question was ambigous, the answer was FULL OUTER join.

Tech2

1. Coding: Write a service to implement scalable logging

Tech 3

1. Design Uber DW schema

2. Metrics to identify, why those, why not others
3. Factors to consider if you want to launch in new market
4. Vague sql question: Query to get trips for airport, how to get exclusive trips for/to airport.

I felt no question was asked directly. Perhaps they want to know how you approach given ambiguous or missing info.

It was very time consuming to understand what they want to solve.

The coding and sql complexity was easy-medium. The challenge was nothing was specific, depending on your answer the followup question would be asked.

I had a good discussion with the lunch buddy. She was very open about culture, working style, expectations, career growth

She confirmed that SWE folks rule and are respected more than DE/DS. Promotions, career velocity and compensation is not that great for a DE as SWE.

Interview Feedback

They said they didnt find enough "Product Sense" in my answers.

SQL & Coding was okay.

Onsite Experience was good. Since I flew from Seattle to SFO, there was lot of time lost. They should have Onsite in Seattle that would be really helpful.

Advice to other candidates

1. Read Ralph Kimball DW book, solve all LC sql questions, solve easy n med in LC for programming
2. Think like a PM specifically for FB (metrics, prioritization, how to infer data)
3.

1/4 case interview: Instagram 一般track什么kpi； 比如说daily login user 突然有一天下降了 分析一下原因；什么方法可以更好的来notify/预警这样的下降， 如果将来有一天发生了；sql 怎么算dau, wau, mau ； python coding - 和地里面经一样 三种login 方式 最后output一个 dictionary显示用户都在一周之内哪几天login了；

2/4 etl 面试：设计一个ride sharing app table；如果乘客也可能是司机， 那么什么情况下司机 和乘客要用两个table来存储， 什么情况下一个table就好？； 算只用这个app来往机场的用户 数量；

3/4 case + coding ： 什么kpi来评价一个photo upload app； 什么样的visualization来