

## Wells Fargo Interview Experience

**Role:** Technology Program Analyst

### **Round 1: Online Assessment (90 minutes)**

The online assessment was conducted virtually on the Hackerrank platform, supporting C++, Java, and Python.

Duration: 90 minutes

It consisted of 3 coding questions that tested problem-solving, logical reasoning, and implementation skills.

#### **Question 1: Energy Barrier Optimization**

You are given an array representing the initial energy levels of particles and a threshold value. Each particle's energy is reduced by a barrier value, and negative values become zero. You need to determine the maximum possible barrier such that the total remaining energy of all particles is still greater than or equal to the given threshold.

This can be efficiently solved using binary search.

#### **Question 2: Optimal Stock Investment**

An investor has limited funds and can buy at most one stock from each company. Given two arrays representing the current and future values of each stock, and the available savings, you must determine the maximum profit that can be earned after one year without exceeding the budget.

This is a classic 0/1 Knapsack problem, solvable using Dynamic Programming.

#### **Question 3: Process Execution Report (SQL)**

You are given two tables — tasks and processes.

Each process belongs to a task and has start and end timestamps.

You must write an SQL query to return each task's hash along with the total execution time (in seconds) of all its processes.

The result should be sorted in descending order by total execution time.

This can be done using joins, aggregation (SUM), and DATEDIFF() in SQL Server.

I was able to solve all three questions successfully within the given time limit.

20 students were shortlisted

### **Round 2: Technical Interview (45 minutes)**

The second round was a technical interview conducted online through Microsoft Teams at CUIC. I was asked to join the meeting via a shared Teams link. There was one interviewer present.

The interview began with the interviewer asking me to share my resume. After that, I was asked to introduce myself and mention the programming languages I am familiar with. Then, the discussion moved on to Object-Oriented Programming (OOP) concepts. I was asked if I knew OOP principles and to explain them. I explained all four principles — Encapsulation, Abstraction, Inheritance, and Polymorphism.

Next, I was questioned about Data Structures and Algorithms (DSA). The interviewer asked which data structures I was familiar with and then moved on to searching algorithms. They gave me an array and asked which searching algorithm would be the most suitable and to explain its time complexity.

Following that, we discussed sorting algorithms, where I was asked to explain the approach of Quick Sort and how it works.

Finally, the interviewer moved to SQL, asking about DDL, DML, and DQL commands, and the differences between them. I was also asked to write queries for some of the SQL-based questions they provided.

Overall, the round focused on my conceptual understanding and problem-solving skills in OOP, DSA, and SQL.

### **Round 3: Technical Interview (45 minutes)**

The third round was an in-person technical interview, conducted with one interviewer. The session started with a self-introduction, after which the interviewer asked me about the subjects I had studied during my coursework and what topics were covered in them.

He then asked me to mention my favourite subject, to which I replied Database Management Systems (DBMS). He asked why it was my favourite and followed up with questions about the databases I have worked with. I mentioned SQL and

MongoDB, after which he asked about the differences between them and which one is better suited for different situations.

Next, the discussion moved to Object-Oriented Programming (OOP). I was asked to explain the four principles of OOP, and he specifically questioned why inheritance is needed, stating that “copy-paste seems easier nowadays.” I explained that inheritance helps reduce code redundancy, makes debugging and maintenance easier, and supports code reusability and scalability. He also asked me to give real-life examples for the OOP principles, which I explained.

After that, the interviewer asked me to explain my project. I described my LLM-based project in detail, explaining its objective, working process, and technologies used.

Towards the end, he asked if I had any questions for him. I asked, “How does Wells Fargo continue to remain among the top three banks in the U.S.?” We had a brief and insightful conversation about it before concluding the interview.

#### **Round 4: HR Interview (30 minutes)**

The fourth round was the HR interview, which started with the interviewer asking me to introduce myself. After that, he asked about my hobbies that I had mentioned in my resume.

He then moved on to some technical questions, starting with what I knew about the OOPs concept and the difference between overloading and overriding in polymorphism. He also wrote a small code snippet and asked me to explain how overloading works.

Next, I was asked to briefly explain all my projects, followed by a short discussion about my LLM project, where I explained its purpose and implementation.

Towards the end, he asked if I had any questions for him. I asked about the technology stack we would be working with if selected, to which he replied that it would be mostly Java. I also asked about how work-life balance is maintained at Wells Fargo, and we had a short, pleasant conversation before the interview concluded.

Finally 6 of us were selected !

**Tips:**

1. Be strong in OOPs, DSA, and SQL — they form the core of all rounds.
2. Practice coding problems regularly, especially on arrays, strings, and BFS/DFS.
3. Understand the concepts behind algorithms and mention time complexities.
4. Revise the 4 OOPs principles with real-life examples.
5. Be confident with SQL queries involving joins and aggregates.
6. Know your projects thoroughly — explain your role and tech stack clearly.
7. Communicate your thought process and stay calm under pressure.
8. Ask meaningful questions to show genuine interest in the company.

All The Best!!!

Regards,

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