QUANTIPHI INTERVIEW EXPERIENCE (Framework Engineer)

10th - 12th October 2022

OVERVIEW

Quantiphi is an AI-ML based Product company. It hires for 3 roles depending on the score of the online test round.

- Framework engineer (FE)
- BA(Business Analyst)
- ML (Machine Learning)

Recruitment process

1. Online Aptitude + coding Test.   **90 min**
2. Tech round (FE & ML) / Group Discussion + Tech Round (only for BA)   **30 min**
3. Tech + HR round.   **30 min**

ROUND1 : ONLINE APTITUDE + CODING TEST

Total 80 questions (78 + 2 coding (medium-level))

Aptitude round : Various subjects and language basics like (8-9 ques) on each section:
Like OS,CN ,DBMS , JS, Html, Probability, Code Completion , Output prediction of o/p (java, python, c++)

2 Questions of Coding   *(remember only 1 coding question 🙃).*

1. There are N cricketers in an academy. Each player practices for some time in the nets (only 1 net is present).
   To solve the time collision issue, the coach is using a calendar application. Now there is one new addition in the academy. Given the practice slots of N cricketers, give all suggestions of the time frame available for practice.
   Note : The net is available all day with practice hours described as 0 - 1000000000.
   Task : Find all the empty time frames. If no time frames are available return [-1.-1].

(15 students shortlisted for round 2.)

ROUND2 : TECHNICAL

Started with a brief introduction, Then he asked me to explain my projects and proceed with the cross questioning on my python project. Asked me a few question related to Pandas

- **How will you remove null values in a dataset using pandas?**
  Ans : I told him that we will use **_dropna_**() inbuilt function of pandas to handle null/ NaN values.

- **Then he asked me if we can set default values in place of null and is there any method to do so?**
  Ans: I told him about **_fillna_**() function and why it is important to always remove null values from our dataset for further computation.

- **Then he finally gave me a scenario. If i was given a dataset related to cities in a state and some cities are null, how will i handle this dataset using the above functions or do i have to add the cities manually or if there is any other approach?**

Next question he asked was about inheritance, I gave a basic definition and we proceeded to the coding question.

Que : [Write a function to check if a given string is a palindrome or not?](#)

So before starting he asked me if i can code in python, although i knew the python solution as well but told him I prefer java and he was fine with it.

I think it was a very easy question and did not require much thinking so I coded it quickly and explained my approach code to him and we ran it and it worked fine.

*They used their own platform for coding**.**

Further few questions were about my soft skills, he asked me if I have worked in any Team during my academics or outside.

So I told him about the open source project and software design project where I worked with a bunch of my classmates and how these projects helped me improve team working and other skills and little more about my experience with sankalan.

After that he asked me if I would be comfortable in switching from java to python or any other language according to the industry requirements?

So obviously I said yes, because it is important to keep learning about new tech and tools when you are in the IT industry. I gave explanations of my whys and he seemed satisfied with my answer.

(10 students shortlisted for round 3.)

ROUND3 : TECHNICAL + HR

Interview started with a brief introduction and then he asked me if i had any internship or work experience, I have had some freelancing experience so i told him about that then he asked me a few questions listed,

- Why did I discontinue freelancing?
- Why do I want to come to the industry as a full time employee?
- Basic difference I feel about freelancing and in office jobs.

Then he asked me to list my technical skills and what is my primary language, I told him that I like to work in java but my projects were in python/react so he was doubtful but i made him sure that I can work with java, so he asked me to write anything in java.

So, I wrote Object oriented code implementing inheritance and method Overriding and explained to him inheritance, polymorphism and method overriding.

Lastly he asked me if I had any client conflict experience or how I can handle such situations. We discussed a little of my freelancing with chegg and how we used to interact with customers(*students*) there.

(8 students shortlisted for internship + FTE.)

Conclusion : Internship + FTE ✔️