UserFacet Experience (Backend Engineer)

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Round 1: Online Assessment (3 hours) – 29th July 2022

[10 Min Reading + 2:30 minutes for execution + 20 minutes for submission]

An *assignment* based online assessment was taken, in which we were given a problem statement and we had to solve the problem using frontend and/or backend technologies depending on the profile we opted for. I had applied for backend; hence, the assignment was to design an API based on the given problem statement. The evaluation was based on

1. How precise and robust the code written for API is
2. How many internal test cases does the API pass
3. Modularity and readability of code
4. Whether the code follows standard coding guidelines (syntax, code formatting, etc.)

Round 2: Technical Interview (1 hr. 15 min) – 1st August 2022

There were two interviewers. The round started with my introduction. Then, I was asked about the projects I did and what was the most challenging problem I faced in these projects. This was followed by some questions related to the technologies I had used in the assignment. They also asked whether I faced any problem in the assignment. Then, one of the interviewers asked me some questions on database:-

- What are the different types of join operation?
- Join or nested query, which one is better?
- What are triggers?
- What is DB Caching?

Since, I had mentioned Python in my resume, many questions on it were asked like

- What is the difference between .pyc and .py files?
- What are lambda functions? What is its use case?
- Which are faster; **def** keyword functions or **lambda** functions? Why?
- Describe pass, continue, break keywords

The interviewer then proceeded by asking about the certifications I had done and what I had learnt in them. Then, I was asked a behavioural question - how would I communicate negative feedback from a client to a few members of my team.

Since, my resume had data science and machine learning related projects, they asked me how I would convince someone to hire me for a machine learning related job. I was a bit perplexed by this question but I tried to give my best answer. They followed up by asking how I would employ machine learning techniques in an online course

platform. After my response, they concluded the interview by asking if I had any questions. I had no questions in mind at that point.

Round 3: Techno-behavioural Interview (25 min) – 3ʳᵈ August 2022

The interview was taken by the CEO and started with him asking me about my educational and family background. Then he asked me about the areas I have worked on and what all fields I am passionate about. Next, I was asked to describe my strength. Then, I was asked why I wanted to join UserFacet.

Then he asked me some technical questions on Django, Flask, HTTP requests and sessions. I was able to answer a few of them. Next, he asked me the working of my machine learning projects in a little more detail.

After my response the interview concluded and he asked me if I had any queries. I asked about one of the in-house products of the company I was interested in and had a good and friendly conversation with the CEO regarding the same. Then the interview ended.

Round 4: Behavioural Interview (30 min) – 3ʳᵈ August 2022

This round was taken by COO and was similar to previous one but this was purely behavioural. He asked me questions on my background, strengths & weaknesses, the group projects that I did and what role I played as a group member, incidences where I showed my leadership skills and lastly, why do I want to start my career as a backend developer. He concluded my interview by asking if I had any questions for him. I asked him about future prospects of AI and ML in the company. He shared a response for the same and then concluded the interview.

KEY TAKEAWAYS

1. Be honest and showcase only those skills in your resume which you know by heart. Revise projects and technologies used before the interview.
2. Don't panic if you don't know or can't recall answer to some questions. Reply confidently and politely that you don't know/remember it and move forward with the interview. Interviewer will give you plenty of opportunities to prove your knowledge.
3. Be confident and always keep a smile on your face as it keeps your stress levels down and reflects a positive attitude in front of interviewer.
4. Practice introduction and behavioural questions beforehand to choose the right words for answering such questions.
5. Research about the company beforehand to connect with the company's culture and have an interactive conversation with the interviewer.