

Egencia's Interview Experience

Interviewee – Prashu Chaudhry

Round 1: Online Assessment Test:

Date: 10/12/2022

Mode: Offline (In Campus)

Platform: CodingGame

- There was a total of 23 questions mainly based on core java including 20 MCQs and 3 coding questions.
- For each question specific time was allotted and you've to complete it within that only. Total time allotted was 69 mins.
- MCQs were of medium difficulty level, two coding questions were easy and one was coding + design question that was of medium level.
- 75 students appeared in this round. Total 16 students were shortlisted for next rounds.

Round 2: Technical:

Date: 14/12/2022

Mode: Online

Platform: Zoom + Google Docs

- The interview started right on time, interviewer was a SDE3 with almost 7 YOE and he was very professional and helpful.
- The interview started with a brief introduction from both the sides and he told me how he's planning to take the interview.
- Question 1: Reverse Polish Notation
- After reading the questions and discussing it with my interviewer I directly purposed the optimized approach, he looked satisfied with my approach and asked me to code the same.
- I started coding and finished this question quickly, whenever I did few mistakes, he corrected me also explained the logic behind it and all.
- Question 2: Design Question
- This was a design question and we had a long discussion in order to choose the right data structures and algorithms.
- First, I proposed the idea of doing it with **Array and HashMap** but there were some problems with this approach, then he gave me some hints and I came up with another approach using **ArrayList and HashMap**.
- After a good discussion about all the edge cases and all, he asked me to code it.

- Again, I did code it on it on google docs, time was already over an hour so he didn't ask me to code all the functions, just 2 of them.

The he asked if I've any questions for him, I asked a few questions and also asked for the feedback he said "I can't give you feedback because of policies, but you did good and you're going for the second round".

Round 3: Technical + Behavioral:

Date: 15/12/2022

Mode: Online

Platform: Zoom + Google Docs

- This round also started like previous round, intro and the direct DSA. This time the interviewer was a SDE2.
- [Question 1: Kth largest element](#)
- First I told him the brute force approach using nested loops, then further optimized approach using sorting, the more optimized using min heap ($O(n \log k)$).
- While I telling him all these approaches, he asked to dry run these simultaneously on google docs.
- He asked me if I can optimize it further, I said we, he gave me some hints then I came up with the **quick select** approach, he asked me to implement the quick select method in my IDE.
- I was having some problems while implementing this, so he asked me to code the second-best approach i.e., using **min heap**.
- I coded it in no time and the asked to run the code, when I ran the code there was some issue with the output it was not showing the desired output, he pointed out my mistake and the I asked to rerun the code, then I worked fine.
- This question consumed a lot of time then he came up with second question very quickly.
- [Question 2: Next Greater Element on Right](#)
- I gave him brute force approach using nested loops, then I gave him my second and more optimized approach using stack.
- After some discussion he asked to dry run my approach and after that he asked me to code the same.
- I coded and it worked just fine, the he said interview is done you can ask me if you've any questions for me. I asked normal questions and feedback but he said HR will give you the feedback.

Final Result – 6 Students (including me) selected for 6 months internship role.

Some tips:

- DSA is must, along with that make sure you know everything (in depth) that you've mentioned in your resume and try not to add thing just to make it look more appealing.
- DBMS, OS, Computer Networking these three are very important so along with DSA keep learning and revising these three subjects as well.
- Before coding the questions in an interview discuss it with your interviewer ask questions and take care of all the edge cases once everything is clear then start coding.

All the best!!