

APPIAN INTERVIEW EXPERIENCE

Round 1: Online Assessment (75 minutes)

The online assessment was conducted virtually on Glider.ai, supporting C++, Java, and Python. Duration: 75 minutes. It consisted of 3 questions:

1. Debugging (1)
2. Coding (2)

Debugging:

You are given a partially implemented program that processes teams and their members. The existing code fails for certain edge cases. You need to identify and fix logical and structural errors so that the output meets the expected requirements.

Coding:

1. Given a grid representing a maze, each cell may be empty, contain a wall, or be the start/exit point. From the given start position, find the minimum number of steps needed to reach the exit, moving only up, down, left, or right. This is a shortest path problem solvable using BFS.
2. Given an array of integers, rearrange the array into its next lexicographically greater permutation. If not possible, rearrange it as the lowest possible order (sorted ascending).

I was able to solve all three questions within the given time.
33 people were shortlisted.

Round 2: Technical Round (45 minutes)

Scheduled for 45 minutes but extended to almost an hour due to detailed discussions and started with a quick introduction and resume walkthrough.

- The interviewer randomly picked Node.js from my project tech stack and asked about its architecture.
- Asked why Node.js is single-threaded and to justify it.
- I was asked to explain any one of my projects in detail; follow-up questions were based on my answers.
- Question on MongoDB: Why I chose it over other databases and its advantages.
- I was asked to explain Redux in detail and demonstrated how global state management works.
- Question: If there are 20 objects across the app, would you store them in a single slice or multiple slices? Follow-up questions on reducers, dispatch, useSelector, and store.
- I was asked to explain how authentication and authorization work, so I described the implementation of protected routes for both admin and user roles in my project.
- I was asked how I dockerized my project and some follow ups questions on docker.

Some Behavioural Questions were also asked:

- I was asked like when you come across unfamiliar jargon. How do you handle such situations? How do you decide what's worth learning?
- I was also asked whether I came across any impactful ideas and some breakthrough moments in your club journey.

Finally ended with two DSA questions:

Question 1: Given meeting start and end times, detect whether there is a conflict between any meetings. Write pseudo code and explain best and worst case time complexities.

Question 2: Added some constraint to the previous questions and asked you are given with the number of available rooms and a list of meetings with timings (the timings where 24 hr format) and you should allocate meetings to the rooms so that when one ends, another can be scheduled in that room. [Link to a similar kind of problem.](#)

Ended with “Do you have any questions for me?”, I asked about the appian products and what a fresher can expect from appian and some related question about the company's work culture and the clients that appian work with.

Tip: Be confident with everything in your resume, communicate clearly, and practice DSA regularly.

Round 3: Behavioural Round 1 (15 minutes)

- The round started with a short self-introduction.
- I was asked which programming languages I don't like and why?
I was asked to explain the best case and worst case time complexities of Quick Sort.
- It was ended with the discussion about the appian products and related questions from the interviewer.

Round 4: Behavioural Round 2 (15 minutes)

- It was a casual conversation with my personal and education background.
- I was asked why I have not done any internship and why?
- Casual follow-ups based on answers.

Takeaways:

- For behavioural rounds, follow-ups are based on your answers so answer with proper context and examples.
- Practice explaining time and space complexities of DSA problems.
- DSA is very important !
- Express your willingness to learn and grow and prepare some good questions to ask during the interview.

All the very best!!

Regards,

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