

TravClan Interview Experience 2021

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- [TravClan](#) visited our campus on 8th October 2021.
- The company came for SDE Role(Intern + Full Time).
- The recruitment process was different from what we experienced with other companies.
- The drive consisted of 2 Online Tests, 2 Technical Interviews and one final interview with the CTO.
- Day 1: PPT + 2 Online Tests
- Day 2: Interviews

Round 1: Online MCQs Test (Google forms) [Approx 40 students gave the test]

Right after the PPT finished, the HR shared the test link and asked all participants to turn on their video and give the online test.

There were 3 sections, time given was 30 min -

1. **General Aptitude** - 12 MCQs Easy maths and reasonings questions.
2. **Technical Aptitude** - 10 MCQs were C/C++ output based, oops, Data structures, Dbms, Linux commands, etc.
3. **Behavioral Questions** - 5 MCQs

Out of 40 only 6 students were selected for round 2.

Round 2: Online Subjective Test (Google forms)

It consisted of 5 Questions -

1. **Operating System**

What is the critical section? Mention the conditions which the solution to the critical section problem must satisfy to be valid?

2. **Software Design**

What is Model View Controller and How it works?

3. **Coding Question**

Longest Palindromic Substring

<https://leetcode.com/problems/longest-palindromic-substring/>

4. Requirement Gathering

A Product Manager wants you to develop a File Management Platform.
What are the first 10 questions you would ask him?

5. OOPs/Design

Mention all the classes required to design a Food order delivery app.

Out of 6 only 3 students were selected for Technical Interviews.

Round 3: Technical Interview 1 (1hour 30min)

- Platform used was Google meet.
- There were two interviewers on call - a senior tech architect and an SDE-2.
- 1 hour of in depth grilling on skills and projects by the senior interviewer.
- And another 30 min interview accessing basic data structures knowledge by SDE-2.

Note: My projects were mainly based on full stack web development with MERN stack.

Questions asked in this round:

- What are the subjects you are studying in the current semester?
- Mention some of the subjects which were there in the first year of your course.
- What do you know about Node.js?
- Have you heard about libuv?
- What is V8 in Node?
- What are non-blocking I/O operations?
- Mention the differences between SQL & NoSQL.
- Why is RDBMS not horizontally scalable?
- Asked about a mongoDB command which i haven't heard before.
- Asked about a project... looked at the live demo.
- How data is being accessed, how many collections did you use and where it is being stored?
- Show me the stored database, in my case it was on MongoDB Atlas.
- What is Redux?
- Explain the component lifecycle in React.
- What are asynchronous operations and how are they handled?
- Where have you hosted your website? (DigitalOcean)
- Show me the hosted backend code. (I logged in via ssh into my server.)
- From where is the database being connected to the backend.

- Where are the login credentials stored?
- How would you make changes to this code?
- What would be the command to pull changes from online repo?
- How can you add a new project to the same server?
- Show me the nginx configuration.
- What is a server proxy?
- Did you configure it yourself? Which resources did you get the help from?

DSA -

- How would you add 1 to n numbers without using any loops?
- Code the recursive function.
- Which data structure would be most suitable to check balanced parentheses? (stack)
- Can you improve it by using any advanced data structure?
- What is 'static' keyword and How does it work?
- A Question about garbage collection.

Out of 3, 2 students were selected for further Interviews.

Round 4: Technical Interview 2

I was directly called for an interview with the CTO just after one technical round.

Round 5: Discussion with the CTO (30 min)

- He was very experienced, and had built many successful startups from scratch.
- He was very casual and friendly.
- It was a general discussion to know about me and check if I am suited for the company.
- He also asked some behavioral questions.

Questions asked were:

- Tell me about your family background.
- How/When did you get interested in coding/development?
- Why did you choose MCA?
- He asked about a project, was it part of the curriculum? Why did you do it?
- I explained the motive behind the project, and how it solved the problem.
- How did you fetch the data from the public APIs?

- How many times did you call the APIs? What were the scenarios?
- In what structure did you store that data?
- What do you look for in a company which makes it a better choice over others?
- How would you know if a company's internal work culture is good?
- In your view, what's more important, CTC or other things which I mentioned before.
- Later on, he asked if I wanted to know something.
- Just out of curiosity, I asked about his experience building so many valuable products.
- And discussed what it takes to become a better software solution architect.

Finally, the results came after 4-5 days,

Out of 2, only 1 student was selected for the SDE role.

Note:

- What helped me in these interviews were the projects I made.
- So, be honest to yourself and do projects from start to end by yourself.
- You should know each and every part of the projects you did.
- Learn about the technologies you used and be prepared with commonly asked questions.
- Be confident with your answers in the interview. Try to make it crisp and to the point with examples.

Thank You & All the Best...