

CULTURRO INTERVIEW EXPERIENCE

TAMANNA (MCA 2021-24)

(Role: Full Stack Developer)

ROUND 1: (6th December, 2023 - Online)

Interview 1: (2.30 - 3.00 pm)

Taken by the company's CEO. He started with a quick introduction of himself and advised me not to give the introduction in a way that I had prepared for the interview, instead, he said "be yourself and tell about yourself who you are as a person, tell about your journey till now". Then I began by explaining how I developed interest in computer science. He asked me some questions about the gap year, like what kind of different approach you followed to crack the exam in the second attempt. He asked me about my future goals, family background, questions like, why I want to join Culturro, why we hire you and why not to hire you. Then he asked me to show the projects that I mentioned in my resume. After that he asked me about the previous company's interview experience, what was the reason for not getting selected there, what was your learning from that and how did you improve yourself for the next companies. Here the discussion came to an end.

Interview 2: (3.30 - 4.00 pm)

Taken by the Senior Software Engineer. Interview started with a quick introduction from both sides. She asked, after pursuing Bsc. Hons. Mathematics, why you came into MCA. She asked me to explain each project mentioned in the resume and asked the questions related to the projects in between the discussion. After that she asked me to rate myself in the tech stacks like react.js, javascript, typescript on a scale of 1 to 5. I rated myself as 4/5 in javascript and 3/5 in react.js and typescript. Then she started asking questions from javascript.

The questions were like:

- Output based questions on alert().
- What is hoisting in javascript, she asked me to explain with an example ?
- Output based questions on var, let and const.
- What is the difference between '==' and '===' ?
- What are truthy and falsy values ?
- What will be the output for "1" -- "1" ?

Interview 3: (4.30 - 5.00 pm)

Interview started with a quick introduction. He started by asking where I belong to. Then he asked about the projects. Again, he asked me about how proficient I am in javascript, I rated myself 4/5 in javascript. He asked several questions from javascript:

- Output based questions on functions.
- What are callbacks ?
- What are asynchronous functions ?

After that, he asked me to design an Expense Tracker App with following features:

- User can login.
- User can have wallets.
- Each wallet has a certain budget with a fixed maximum limit.
- User can perform transactions from different wallets.

He asked me the following questions related to the app:

- How should the login page look like, how will you design it ?
- When a user logs in into the app, what should be the next page which is visible to the user ?
- How will you design the different wallets ?
- How will you maintain the database, which all databases have you studied about ?
- How many tables will you make to manage the data ?
- How will you establish relation between the tables ?

After that he asked about what are your different approaches to resolve errors, what are your hobbies and will you prefer to work on frontend only or do you have interest in working on backend too, with that, discussion came to an end.

ROUND 2: (7th December, 2023 - an assignment was shared with all shortlisted students with a deadline of 14th December, 2023)

Assignment:

Description: Create a web application for book store management. Perform basic CRUD operations. User should be able to:

- Create an account.
- Login (JWT Authentication)
- Add books (with several details like):
 - Book name
 - Book Description
 - Book Category
 - Price
 - Discount, etc.
- Edit the book information
- Delete the book
- View the list of books available in store.

Tech Stack to be used :

- React.js for frontend
- Node.js and Express.js for backend
- Neo4j for database

Assignment Discussion Round: (15th December, 2023, 2.00 - 2.30 pm, Online)

This was a discussion round with all three interviewers together. They asked me to present my project. Then they asked me to perform crud operations one by one like delete this book, edit the book, add a new book, etc. As in my project it was user specific like every logged in user can see all the books posted by other users too, but only the currently logged in user can edit or delete the book which they had posted previously. Interviewers asked me to change the code such that the logged in user can only see the books posted by them. I changed the code accordingly like fetching the books from the neo4j database on the basis of currently logged in user but there was some error in retrieving the userId at that time. We all tried to resolve the error during the discussion but it was time taking process, so they asked me to add the above mentioned functionality by 4 pm and send a video to one of the interviewers. After that they asked me certain questions:

- What did you learn during the project ?
My answer: I gained knowledge about the neo4j database, as I was unfamiliar with the database earlier.
- Is it better than other relational databases ?
My answer: Yes, it is more flexible than other relational databases.
- What makes it better than other databases ?
My answer: When the application grows bigger and more complex, we don't need to make changes in schema again and again, as neo4j is a graph database. We can directly establish the relationship between nodes by writing a simple query. I explained with an example: If I introduce the author node in my project then I just have to write a query to establish relation between the book and the author, without re-defining the schema.
- What did you enjoy more while working on the project, frontend or backend ?

Takeaways:

- Don't get demotivated by the rejections, keep working consistently from your side, result will come at the right time.
- During the interviews, even if you don't know any tech stack, don't panic, instead, show the enthusiasm to learn it.
- Prepare the projects well.

ALL THE BEST !