

# **Dipesh Joshi (MCA 2020-23)**

## **Userfacet Interview Experience**

Role: Full-Stack ([resume](#))

### **Online Assessment (3 hrs) - 29/07/2022**

There was one execution/application based question & no objective questions. The task was to create an API and its corresponding frontend. I used Next.js with both backend & frontend in the same codebase and deployed the same on vercel. My submission & problem statement:

<https://github.com/joshidipesh12/Userfacet-OA-DipeshJoshi>.

### **Round 1: Technical Interview - 02/08/2022**

The round started with my introduction, the tech stack I've worked with. There were two interviewers, one for backend and one for frontend. They both asked me questions about the respective aspects and we had detailed discussions on some situational questions.

Backend:

1. What is the difference between SQL & NoSQL databases? What are the use cases?
2. What is Horizontal scaling? How does MongoDB scale horizontally?
3. What is middleware? Give examples of some Express.js middleware libraries.
4. What are different types of authentication flow? Which one do you prefer and why?
5. What is async-await? What is an event loop in javascript?
6. What are callbacks & how are they used?
7. What is DB caching? How can it be implemented?
8. How can you implement textual search from a database? What is Elasticsearch? How can you run AWS applications on local servers?

The interviewer also discussed my experience in backend, cloud (AWS & Google Cloud) and MongoDB.

Frontend:

1. What is JWT? How can it be compromised? How do you store and use the JWT?
2. What is the difference between states and props?
3. What is virtual DOM? What is reconciliation in React?
4. How can you implement SSR in React? How can you render static HTML in react?
5. What will you do if the user token has expired?
6. How can you implement pagination in React-Native. In a long list of items, how will you preserve the scroll position after navigating forth & back in nested routing? How will you handle the same situation if the data is dynamic?
7. Explain the styling for a list of cards with different numbers of columns in different device sizes. What are the media queries, other than device width?
8. Given a grid ([image](#)), explain your approach for css styling.

The interviewers also asked me about my projects (working of different components, approach & motivation) and about my internship (my work domain, responsibilities, projects & any other projects with React-Native).

## **Round 2: Behavioral + Technical Interview - 03/08/2022**

This round was with the company CEO and included both technical and behavioral questions. It started with my introduction, past experience, projects, family background and other interests.

1. What are your strengths and weaknesses?
2. Where do you see yourself in the next 5 years and 10 years?
3. What is the motivation of your 2nd project?
4. Describe your role in GDSC. What are the roles of other members?
5. What will you do if you are only given frontend work and you aspire to shift to backend?
6. What do you consider as your prime work experience?
7. What is the difference between React and React-Native?
8. Explain InteractionManager in React-Native?

### **Round 3: Behavioral Interview - 03/08/2022**

This round was with the company COO and included only behavioral/HR questions. It started with my introduction and work experience. Then he asked me some questions:

1. What's your family background and where do you live currently?
2. Describe your 5 strengths and 5 weaknesses.
3. Where do you see yourself in the next 5 years?
4. What annoys you the most?
5. What are you comfortable with, on-site job or work from home?
6. Why do you want to join Userfacet?

### **Suggestions and Recommendations:**

1. Keep your Resume 100% true and be confident about whatever you have mentioned on the resume. Anything can be asked in detail. Especially the projects and the skill set you have mentioned.
2. No DSA questions were asked, but a fundamental knowledge is a must for approach/implementation related questions.
3. Be confident while answering and try keeping the interview a two-way communication rather than just an interaction. Always keep a smile while answering.
4. If you don't know about any technology, politely explain that to the interviewer and if possible, try to come up with something from your experience.
5. Be positive and give your best shot.

**All the Best :)**