

CarWale interview experience - Jay Bhanushali (Frontend/Fullstack role)

Coding test

2 easy questions

1 medium question, 1 hard question

(Easy and medium Question array and string)

Note: Python was strictly not allowed in coding test as well as interviews due to its ease of use and readily available lib for almost every thing.

1st Round (DSA)

- Which all programming languages have you learnt?
 - What is DSA?
 - Rate yourself in DSA on a scale of 10 (I said 6 or 7 bcoz I am not very confident about graphs and trees, I am well versed with Array, LL, Stack, Queues)
 - Explain stacks and queues and their implementation.
 - How will you implement stack using queue? (can only use enqueue and dequeue). I told the approach and implemented stack using queue in Cpp (using vector)
- In the next question I was given duplicate numbers in an array. all nums occurred twice except one number was only once, I had to find that number. I told multiple methods (of different time and space complexity) to find the number.

2nd Round (System design)

System design questions related to the personal project were asked.

My proj was a Task management application using Django.

Questions on Relational DBMS, Reader writer problem and maintain concurrency in DB.
Questions on situation when DB crashes at time of task updation, concurrency of data between multiple servers, exception handling at time of task updation with respect to concurrency.

Also, a question was asked like: why did you store hash of password in database. I explained the privacy and security of user's data (here tasks) can be achieved with the help of hashing. Then the discussion continued on usage of hashing algorithms, fundamental working behind hashing techniques and why hashing function are one way (hash cannot be decrypted to get the original text back) as I didn't remember the main working behind algorithms like MD5 and SHA I was told to think of logic to implement own hashing algorithm. I explained it that using modular arithmetic.

Final Round (Behaviour round)

Regular HR round questions:

- Introduce yourself
- 3 Strengths, 3 Weakness

- Achievements as well as Failures in school and college
- Personal background questions
- career goals in future
- dream company