

RtBrick Interview Experience

Company Overview:

RtBrick is a pioneering company in the networking industry, dedicated to transforming traditional network infrastructures with innovative software solutions. Our mission is to enable service providers to build more flexible, scalable, and cost-effective networks using cutting-edge technologies.

This was the first time Rtbrick recruited the students in CUIC and first time they recruited the freshers.

Role Offered: Associate Software Developer

Stipend: 35,000 INR per month

Sequence of Job Selection: Online Assessment, Written test, 3 Technical Interviews

Online Assessment (08.08.2025): 40 mins MCQ Assessment

The test lasted for 40 mins. The MCQ consisted of topics like Networks especially in Subnetting and IP addresses, basics of C, Operating systems.

On 12.08.2025, I wrote one written test and did 3 technical interviews

1. Written Test

- The written test consisted of one question that was an ID allocation problem and they insisted us to write the code in C.
- I was given two functions `alloc_id()` and `free_id(int n)`.
- I was asked to write these functions where in `alloc_id ()` I need to alloc minimum possible id available in a pool of id from 1-INT_MAX.
- In `free_id (int n)`, I want to free the given id.
- They expected to solve using Heap and Priority Queue.

Out of 32 candidates, 16 were shortlisted.

2. Technical Interview 1 (40 mins):

The technical interview started with an introduction of myself. The interviewer asked about my Blockchain Project and he asked me to convince him to use Blockchain Technology, He also asked, what is Blockchain Technology and where it is used.

And he asked me whether I know C, python. But I said I am currently practising in Java and he accepted me to write in Java. He asked to implement the optimal sorting algorithm. The second question was to implement the greatest repeating numbers. Next question was to check if the number is even or odd without using modular operator, he was expecting bit manipulation.

Out of 16, 7 were shortlisted for **Technical Interview 2.**

3. Technical Interview 2 (60 mins):

In Second Interview, I was interviewed by a 2011 CEG passed out student named Dhivya. She asked the intro and then she asked about the projects. She asked whether I know C, Python Because the company works in those languages and she asked me to learn C and python to work with.

She asked me to explain about the OSI model with the example of how the Mail is send from one user to another user. Next, she asked about the basic definitions of Routers, Switches, Hub and what are the differences. Then she asked about the difference between IP address and MAC address. And then, she asked me whether I know bit wise operator and implement the bitwise addition of two numbers and next the question was, what happen when we declare a variable internally and how the variable is stored in the computer.

Then I was asked to implement whether the given IP is valid IP or not and then next question was to identify the IP addresses in a given text document.

All the 7 were gone to 3 round Interview.

4. Technical Interview 3 (45 mins):

My 3rd round interview was conducted by two of the remaining recruiters, I was asked to introduce myself and they asked deeply about the projects and what was my role in that project I mentioned, After the detailed explanation about the by project, they tested my logical thinking by asking basic DSA problems in arrays. Then, they asked me to learn python If I was selected for the role. I was asked about the types of OS I know and I said that I used Ubuntu in VMware.

Then, they asked me to solve a puzzle which is that given 10 coins placed in a table and the person playing was blindfolded he/she doesn't know whether the coin is head or tail, there are 5 heads and 5 tails, the 10 coins are randomly split into two halves 5-5 with random distribution of heads and tails, they asked

me to place same number of heads in two sides. I am able to flip any coin any number of times. But I need to place same number of heads in both the side.

Out of 7, 3 were shortlisted including me.

Tips:

- Solve problems in LeetCode, Geeks for Geeks, Hacker Rank.
- Be prepared in core concepts like DBMS, DSA and OS and be strong in those concepts. Study deeply in everything you learn.
- You should Prepare for each and every word in your resume.
- You can follow TakeUForward, Neetcode for problem solving.

All the very best!!!

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