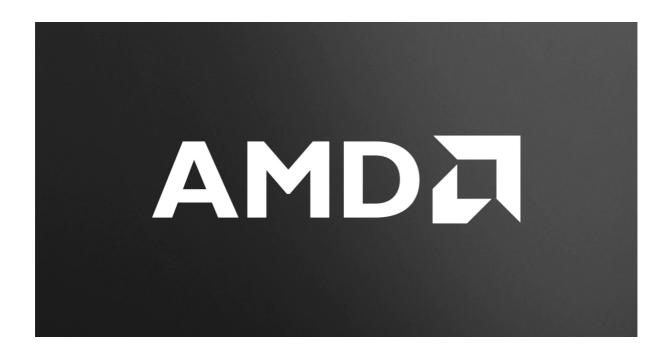


AMD Interview Experience - On Campus



June 7, 2023 SASWAT BEHERA IIIT Lucknow

Roles: - Server CPU software development team

KEY RESPONSIBILITIES:

- Problem solving across multiple software layers, (user space, kernel, applications, libraries) and hardware
- Optimization/development of the CPU performance stack (applications, libraries) for AMD server processors
- Analyze and solve performance, scalability bottlenecks when code is running on multicore, multi-node deployments.

- Innovate and publish papers, patents and participate in technical conferences to advance AMD technologies.
- Continuously learn and grow along with evolving X86 server CPU architecture and application landscape

In total there were 2 Interview rounds: -

- Technical Round 1
- Technical Round 2

Question Asked

Technical Round - 1

- 1. Program to print all the permutations of a given string.
- 2. Print the output

```
#include<stdio.h>
int main()
{
  int a = 500001;
  a = 103, 122, 342343;
  printf("%d", a);
  return 0;
}
```

- 3. Exchange the last and first nodes in a circular linked list without using any new node.
- 4. Program to do the transpose of a matrix. Also do a dry run of it.
- 5. Source address = 1000 1001 10021020

```
Source values = 1234...
```

Destination address = 1010 1011 10121030

Destination values = Copy 20 values from source

Technical Round - 2

- 1. Given a string of sentence. Reverse only the words which do not have vowels in it.
- 2. Given a chess board count the number of squares in it.
- 3. What if the above board is not a square matrix.