

## Questions I was asked in an Amazon SWE Internship 2022-23 Phone Screen

First, I was asked my general background. From there the following questions were asked in no particular order.

- What is deadlocking?
- What is a DNS server?
- How does Google process requests, what goes on, on their end?
- What stack did you use for your web project
- Where and how are you hosting your web project?
- What is a thread?
- What is multithreading?
- What is load balancing?
- What are the approaches/strategies for load balancing?
- How does a LINUX OS work?
- What is a microservice?
- What is the difference between RAM and hard disk?
- What courses have you taken?
- Have you taken a data structures and algorithms course?
- Why are you applying for a software development position?

Following those questions, an algorithms question was asked. Questions asked during were:

1. Do you know the difference between passing by reference and passing by value?
2. Do you know what a binary tree is?
3. What is the space and time complexity of your solution?
4. Could your solution be optimized?

Following the algorithms question, he asked:

1. Why are you not applying for a role in this (leaving generic) other part of the company?