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https://www.youtube.com/watch?v=1r3OmkQ28Rg

<p style="text-align:center">CS 470 Final Reflection</p>

What skills have you learned, developed, or mastered in this course to help you become a more marketable candidate in your career field?

The skills I learned in this course include my ability to construct a full stack application, as well as convert a full stack application to a serverless application through AWS.

Describe your strengths as a software developer.

My strengths as a software developer include the ability to collaborate within a team, and troubleshoot errors or bugs when I run into issues with my code. I also take pride in my presentation and communication skills.

Identify the types of roles you are prepared to assume in a new job.

In a new job, I'm prepared to take on any full-stack developer role. My goal is to work within a group of self-driven people who will allow me to learn as much as possible, and who I feel comfortable reaching out to when I hit road blocks.

How would you handle scale and error handling?

In order to handle scale and error handling, I would make sure to tackle the issues right away. Letting errors and issues build up is a good way to lose track of problems, and I like the approach

of solving errors right away. When using serverless, we can use AWS built in function error handling.

How would you predict the cost?

For cost prediction, I'd look at other applications within our company that use similar AWS services to get an idea of what it would our cost per year would be to run our application. For example, find an app that uses DynamoDB and get our database cost from that.

What is more cost predictable, containers or serverless?

Serverless tends to be cheaper, but less predictable. You pay for the time your application is actually running, not an up-front cost for the server. So it's hard to predict exact cost.

Explain several pros and cons that would be deciding factors in plans for expansion.

When deciding on expansion, you must first analyze your server and determine whether it is scalable enough. If you have serverless, the scalability shouldn't be an issue. You must also determine the demand for your application, and whether expansion makes sense. The developer must also analyze whether they have the appropriate amount of engineers for an expansion, or if hiring is necessary.

What roles do elasticity and pay-for-service play in decision making for planned future growth?

Elasticity and pay-for-service play a massive role in determining future growth. The ability to scale your application and not pay for unused services is huge when expanding or growing your application. Pay for service gives you an up front cost, which can result in unused and wasted services, where as serverless you only pay for what you use.