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Final Reflection

Link to final project presentation: <https://youtu.be/RHzvIyQmOkY>

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

Throughout the duration of this course I was able to learn and apply cloud development concepts. In particular I learned about containerization and cloud architecture with AWS. Being able to learn the basics and work on project involving these areas of study will expand my opportunities for more positions. By working and deploying project one I was able to get more practice and more comfort with using REST APIs through AWS services. I don't believe I have truly mastered anything yet, if I have learned anything it is that this technology is always evolving and there is always something to learn.

Describe your strengths as a software developer.

My strength is being able to work in a team when needed with good communication skills and also having time management skills when I have to work on my own to get projects completed. I also believe I have good attention to detail and am able to understand/identify the software requirements that are presented to me.

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

There are some roles that I would be interested in pursuing and that I feel this course has prepared me for. I believe this course did a great job exposing me to full stack process and I

think that filling a role like that shouldn't be too high of a step up. I also think back end or front-end developer would be a great opportunity also.

How would you handle scale and error handling?

Through the AWS to handle scaling I would use the built in auto scaling the service provides and be able to monitor it. With this I would also be able to allocate more resources depending on the traffic and I could also adjust the capacity of the dynamo database. To handle error handling, I would use the step functions and lambda functions.

How would you predict the cost?

AWS offers a tool that can help predict cost and it is pretty accurate. It would allow me to gauge the average usage and cost associated with that usage of my web application. It also can offer savings plans that can help companies stay within a certain budget.

What is more cost predictable, containers or serverless?

Both offer ways of predicting cost and sometimes it is a case-by-case decision to see which is better at predicting. But I think overall the serverless can be more predictable and offer more warning before the price goes up since you are paying for, you're the resources you are using. I also think that the serverless option will be easier for most companies to monitor and implement than containers.

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

There are many pros and cons facing a company when they need to make decisions for expansion plans. One major con is potential cost of expanding. When using AWS or cloud services its not as bad as an in-house server. Also, if it is inhouse there will be potential for

delayed downtime. While with cloud services it is minimal if not at all. A pro is that you will be building your brand and getting out there more and able to provide a better-quality product to more people. Another pro even with initial costs the expected return on that investment should be higher.

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

When planning for future growth and planning for the future, elasticity and pay-for-service play important roles in making those decisions. Elasticity allows a company to adjust resources pretty much on demand making the company to grow more efficiently. Pay for service model allows a company to only pay what they truly need by seeing what they are using and what their traffic is. With both of these companies can grow or shrink with not much worry.