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**CS 470 Final Reflection**

https://youtu.be/s6aPWcraK4Q

This course has given me some insight in AWS because I am aspiring to become an AWS Solutions Architect and working with Lambda, S3, DynamoDB gave me a lot of exposure to what to expect in the field. I have learned how to create buckets, API's that have supported methods. My strengths as a developer are my creativity and design ability. I have strong mental visual attributes that help me design in my mind and after that it's all about bringing it to life. Some of the roles I am open to taking in a new job include UX/UI positions for designers, or any database management related roles.

Cloud services have created the ability to have teams without geographical locational constraints. This in turn also creates the ability to manage systems round the clock. The mobility of containers makes it easy to work on older versions of programs without the need to change versions or things like that. S3 is Amazon's simple storage service. This is a cloud based storage service which allows you to store objects in a could server. Objects are stored in buckets which can store up to 5TB of data. S3 is better than local storage because it offers a recovery method in the event of anything happening locally. Anything can be from a systems crash to a fire on location destroying all local servers. S3 makes copies of the data and stores it in multiple locations for easier back-up storage. S3 is cost efficient as storage needs grow. You only pay for the storage used. There is flexibility with scaling storage needs up or down. There is no need to plan for storage ahead of time because storage is on a as-need basis. According to an Amazon online publication. "In a cloud computing environment, new IT resources are only a click away,

which means that you reduce the time to make those resources available to your developers from weeks to just minutes" (AWS, 2023). This results in a dramatic increase in agility for the organization, since the cost and time it takes to experiment and develop is significantly lower. Teams can be spread across the world all working towards the same goal and with access to the same buckets for storage.

**Reference**

AWS. (2023). Whitepapers. Amazon.

https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html