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CS 470 Final Reflection

In this course, I gained a much higher understanding of the benefits of using a cloud-based system. In my current career, we currently manage the data locally, and are enclosing on running out of space. Luckily in the next 2-3 months, we are transitioning to a cloud-based system, which will make my work dramatically more efficient. I had to be extra careful about what files I had saved, to ensure duplicates weren't taking up space on our network drive. That is of course, already good practice, but it will be nice to have the peace of mind of a scalable amount of storage space.

My strengths as a software developer include my ability to understand a problem at a deeper level. In my current role, I identify shortcomings of current processes and think of ways to improve them. This includes looking at currently existing data and constructing a plan to utilize it to extract information. With this skill, I can streamline other business' processes by analyzing their pre-existing data.

As I previously mentioned, there were certain things that a network drive wouldn't allow us to scale to like a cloud-based storage service would. I would predict the cost of the project by gathering the (weighted) average size of needed storage space for each project, and the average number of projects done per year, and request that size of storage from a cloud service provider. I believe the serverless is more cost predictable using this calculation.

The pros of a cloud base service are the scalability. However, a con of this is that the cloud heavily relies on internet connection and is managed by a third party. If for whatever

reason, the third party was not able to help with an urgent service request, we would not be able to access our data. When the company I was working at was smaller, having all the data stored locally was efficient and cost effective, but as we progress and expand, all our storage systems are becoming obsolete.