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CS 470 Final Reflection

<https://youtu.be/ZMDOVoazJ74>

This course has helped me become a more rounded developer. It has shown me things and experiences that now when I come across job postings, I understand what they mean and I think about how I can help do that work. As a software developer, I excel in my ability to learn quickly. As well learning new things is the best strength I have as a developer. After completing this class I feel like I can take on roles of a cloud developer and this degree has helped me to be able to become a developer in general to create web pages, create apps, and design 3d objects.

Microservices and serverless development can improve efficiency in that with Amazon Web Services they can scale automatically to adjust to the business. Predicting costs would be based off previous growth or shrinking of traffic and also adjusting for the time of year. If someone is selling an item, it may be more popular in the later months as it could be a gift and would also need to be accounted for. Containers would be more cost predictable. While MongoDB does have some scaling options, it's very upfront and consistent in its pricing. While Amazon Web Services may end up cheaper, it's had some price reductions in some areas but not in others. As well it is also based on traffic so some months may be higher and others lower. Training, cost, and reliability would all have to be thought of when deciding about expansion. If a team is trained in one, that would have more weight than if they didn't know either service. How much a company can afford to shell out all at once is also a factor. Lastly, how reliable the products are and how they can access them and if they need clouds or if a server with containers

would be fine. Elasticity and pay-for-service play the role of cost, reliability, and adaptability. A pay as you go service might be better for a small startup with a simple page that isn't going through much traffic but having the ability to scale that is invaluable if that's what is predicted.