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4/18/2023

CS470 final reflection

<https://youtu.be/W09RzUjL6RE>

This course exposed me to cloud computing principles and concepts and gave me my first exposure to AWS which is something I will be using in my first job. My strengths as a computer science major throughout this journey are that I am familiar with multiple programming languages, full stack development, complex data structures, and cloud computing. I have also learned about the software development lifecycle and agile methodologies.

Services like amazon S3, DynamoDB, and lambda allow websites to save on resources during downtimes and meet the demand of users during peak times. This is critical because it means users get the best experience possible and when times are less busy the company is saving money. The fact that we can save money while simultaneously providing a better experience is exceptional. Scale is easier to handle with serverless because all that needs to happen is to request more resources.

I feel that cost is more predictable with a traditional container setup, however serverless is clearly better because costs will be down in general and if they go up the demand can instantly be met instead of having to scale out a traditional setup. Elasticity is a crucial element to serverless and is why this concept is so appealing. All user demand is met in times of high traffic. In times of low traffic the company saves money. It's extremely convenient.