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CS 470 Final Reflection

<https://youtu.be/-g-0zbyeCQs>

Final Reflection

This was easily one of the most important courses in me reaching my goals as a developer. Never had I needed to push software into the cloud, much less “lift and shift” already existing software. As cloud development becomes more and more synonymous with software development, these are skills that are invaluable to me as I seek to explore a software development career path.

To this end, I think I sharpened one of my best skills in this course, which is learning to research when I don’t understand something. I came into this degree with absolutely no knowledge of CS, and now, while I’m by no means a genius, I feel completely confident in my ability to ask questions and self-teach with the internet; researching is truly a skill in and of itself.

I’d like to use these skills to become a backend developer; I was never a fan of creating front end work however this course showed me it’s not nearly daunting as I thought it was years ago when I started my CS degree.

Scale handling can be handled by looking at documentation as well as the accompanying error codes; often, IDEs will tell you what the issue is with the current action you’re attempting to take. Cost can be predicted by using the various data analytics tool and really knowing the market you are developing for; AWS for example has many analytics tools and if utilized to their

full potential can very capably aid developers in avoiding scaling or capacity issues. I'd say containers are more predictable in terms of cost as there's only a finite amount of space one can buy, whereas with serverless hosting, elasticity and scaling can complicate things when deciding how much extra space needs to be purchased to the exact amount. However, again, good use of analytics can avoid this problem by using the data to make accurate predictions of future use.

Expansion can be tricky because in a new market it's hard to really know how popular a given item will be. Especially within new markets, or markets that peak early, businesses can get an incorrect idea on how their growth is projected because they don't have a large picture or any parallels to view from; therefore, cloud development and the ease of scalability that comes with it helps save cost, as it can be adjusted to meet the needs or outcomes of the business.