CS470: Final Reflection

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CS 470 FSD II

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https://youtu.be/mcJV9X0

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Final Reflection

Experiences and Strengths: Explain how this course will help you in reaching your professional goals.

- **What skills have you learned, developed, or mastered in this course to help you become a more marketable candidate in your career field? – I believe the hands on experience gained using Docker Compose and AWS were irreplaceable. I think having built projects out with these technologies makes me an very valuable candidate.**
- **Describe your strengths as a software developer. – I think my strengths in software development lean more towards the soft skills. Asking for help, not giving up, and communicating clearly.**
- **Identify the types of roles you are prepared to assume in a new job. – I believe I will continue to pursue positions in automation qa or dev ops.**

- **Planning for Growth: Synthesize the knowledge you have gathered about cloud services.**
  - **Identify various ways that microservices or serverless may be used to produce efficiencies of management and scale in your web application in the future. Consider the following:**
    - **How would you handle scale and error handling? – I would handle scaling with services that addressed long term needs. If I know I will need to scale down during off season and scale up during random intervals I could work closely with and AWS solutions architect in order to find the best products for me. As for error handling, I think**

I would address the logging. Which is another feature that be addressed in microservices with AWS.

- **How would you predict the cost? – I am not sure if there is ever a way to predict cost upfront. I think we could possibly pay for something unlimited or all inclusive but most serverless options and microservices do not operate this way. Which would lead me to look at historic data and make predictive models about usage and then compare that with cost.**
- **What is more cost predictable, containers or serverless? – I think containers would be more predictable. I think paying for enterprise level docker and docker compose would be much simpler than attempting to figure out when I would need server space on AWS.**

- **Explain several pros and cons that would be deciding factors in plans for expansion. – If expanding into to cloud computing I would say autoscaling and cost efficiency are the obvious pro's. The con would be: you're now stuck with whoever you hand your infrastructure over to.**
- **What roles do elasticity and pay-for-service play in decision making for planned future growth? – Well elasticity is going to handle extreme gullies and massive spikes in resources needed. It handles the fluctuations in energy and resources. I would imagine if you are a retail business the holidays will be more busy than mid spring. Elasticity handles this. And pay for service helps your company align cost and usage, meaning my small retail business isn't going to over pay. AWS also manages this so I don't under pay either. It's a way that both businesses have complete alignment.**