

Kendrick Free

Professor Esendemir

CS-470

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CS-470 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?**

This course helped me to learn how to utilize AWS and all its utilities. This course also helped me better my understanding of MongoDB and its use in applications. This also furthered my knowledge and skills when it comes to developing websites or web applications. The initial capstone focused on the creation of the website while this course focused more-so on the transfer of the application to a new environment for hosting, in this case AWS.

- **Describe your strengths as a software developer.**

Being persistent is one of my greatest strengths being a developer. This persistence is what allows me to work through problems, but it's also what causes the most irritation and frustration when I can't figure out a problem. Learning how to utilize this persistence is what helped me focus on this course as well as all the course's past.

- **Identify the types of roles you are prepared to assume in a new job.**

I feel I would be comfortable working with databases and all that is entailed. The transfer of secure and accurate data was the most fulfilling part of completing the final assignment and applying this in the workplace would be satisfying.

- **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?**

Referencing multiple people aids me when it comes to identifying and addressing errors. I've always said multiple sets of eyes are better than just one. Since most development is handled by a team, I'd assume that there are many people involved in the development process.

- **How would you predict the cost?**

There are many examples of websites and applications that have been developed and succeeded and failed. Studying these successes and failures will aid me when it comes to developing useful and successful applications in the future.

- **What is more cost predictable, containers or serverless?**

Serverless would be more predictable as you only pay for what you use as opposed to needing to gauge or guess how much data may be needed.

- **Explain several pros and cons that would be deciding factors in plans for expansion.**

Pros:

- More space to utilize.
- Faster speed.
- Not enough storage.

Cons:

- Initial Cost of expansion.
- Data Transfer.
- Knowledge of new service provider and software.

- **What roles do elasticity and pay-for-service play in decision making for planned future growth?**

Primarily elasticity and pay-for-services ensure that the customer is only paying for what they need and allows them to actively change their demand accordingly. This ensures the allocation of resources and funds for both the user and the service provider, which allows for more work to be done and for more clients to be taken on.

Final Project Link:

<https://www.youtube.com/watch?v=5gg2MteQK3k>