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CS 470 – SNHU

CS 470 Final Reflection

https://youtu.be/hVXs_HEL6p8

- **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?**

Throughout this course I have learned a lot of extremely valuable skills that all work together to showcase my skills as a full stack developer. Specifically, I learned about containerization, Angular, Node, Mongo/DynamoDB, AWS/Cloud computing, and much more in between.

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

As a software developer, I would say that my ability to solve problems quickly and efficiently is my greatest strength. Often when creating software, developers can run into a wall where things are not working properly, and it can be difficult to find the problem. Therefore, having excellent problem skills is vital to being a successful software developer. Also, I have used many different programming languages and have experience with different kinds of software.

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

After taking this course, I believe that I am prepared to be a full stack developer. Of course, there is going to be more research I need to do along the way, but I currently have the basic building blocks that I need to get started in the industry. I am confident that once I get an entry level position as a software developer and begin working in the industry daily, that I will be able to quickly grow and improve my programming skills.

- **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.**

The knowledge I gained in serverless computing is going to be vital throughout my career as a software developer. Serverless computing solutions like AWS are great when it comes to deploying and scaling web applications. I am sure I am going to make a web application or two throughout my career and being knowledgeable with AWS is going to give me a head start. AWS uses a pay for usage model which is very convenient for the customer. This kind of payment model helps keep costs lower by only using resources whenever they are needed.

- **Explain several pros and cons that would be deciding factors in plans for expansion. What roles do elasticity and pay-for-service play in decision making for planned future growth?**

When planning to expand, serverless computing solutions like AWS are the go-to option because the service is dynamic and can scale on demand. This is very beneficial, as if a local server is being used it will need to be rebuilt to support for growth. This makes scaling with AWS much more cost effective because of the pay for use payment model that it uses. If the application needs to be scaled in can be done at any time and the fees will simply increase, rather than having a huge up front cost for upgrading a local server.