

CS 470 Full Stack Development II – Final Reflection

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Presentation Link: <https://youtu.be/X5hGtHfJmBs>

- 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?
 - The skills I learned were moving a server bound application and moving it to the cloud by using AWS (Amazon Web Services) by setting up our permissions, the S3 bucket, and the Lambda functions.
 - Describe your strengths as a software developer.
 - My strengths as a developer are taking a new concept that is given to me and then learning about that said concept to be able to use it in a short amount of time. Technology is rapidly changing, and different tools are being created so being able to constantly be learning is a vital tool that a developer must have since we never stop learning as a software developer.
 - Identify the types of roles you are prepared to assume in a new job.
 - The role that this class has prepared me for is a full stack developer that is able to work on the frontend but also create the connections on the back

end for the projects that I am working on. The class also gave me more experience with working with AWS so that I can get started and help right away with any project that uses AWS.

- 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?
 - It would depend on the business and if they are one that is scaling constantly or if they have a constant scale they always use. If they are a business that is rapidly growing, I would recommend the automatic scalability feature that serverless providers provide, and if they are a constant scale business I would recommend they use the pay for that amount of usage they have.
- How would you predict the cost?
 - A constant growing business that needs the automatic scalability feature it would be hard to know the cost point since they will be given more resources as they need it, and if they have a constant business then we can predict the cost they would use.
- What is more cost predictable, containers or serverless?

- Once again, they depend on the type of business and what needs they have which make it harder to know but from my professional opinion serverless is always the cheaper option.
- 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?
 - As I stated before, elasticity allows you to always have the right number of resources which can help to ensure that no bottlenecks happen with services since you will always scale to meet your business needs.
 - The pay-for-service allows you to buy certain resources and you only have that number of resources so this makes it a bit harder to plan for future growth since you can run into bottlenecks with your service and then have to plan on increasing that to meet the demand.