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CS 470 Module 8 Final Reflection

https://youtu.be/y2h7KWEkCS8

Experiences and Strengths

This class has been a great experience for understanding the role of a full stack developer and the basic layout of the full stack. Through this term, I learned how to take an angular web app similar to one that we created in our previous full stack class, and run it through Docker. Creating a container through docker as straight forward and simple. I think getting the exposure of using this system has allowed me to be a better candidate for my career going forward. Using AWS has definitely done that as well by allowing me exposure to serverless systems and amazon web service specifically.

My biggest strengths as a developer currently are more on the backend side. One of my biggest strengths, however, is to see how all parts of a system come together to reach a final product. I enjoy creating something that a user can experience, and I believe my strengths allow me to connect the front and back end well.

The types of roles I am prepared to assume are software development jobs on either end of the stack or the full stack. I have worked mostly with non-embedded systems but have the ability to understand the entire scope of a project which will help me learn an embedded system quick.

Planning for Growth

I think the growth in general is made easier through using microservices and serverless systems. Scaling and error handling is made easier using these systems. Serverless systems are generally more cost predictable. AWS provides a great pay for use model that requires you to only pay for the storage that you are using and will scale depending on how much you want to add or reduce. AWS elasticity does this also for their resources. You can acquire resources dynamically based on which resources you actually need, and then release them when they are not needed. This takes a lot of the future growing planning questions out as you will not need to worry about these expansion issues.