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8-1 CS 470 Final Reflection

https://www.youtube.com/watch?v=kqx6clZZF1M

      This course has greatly impacted my ability to reach my professional goals. I feel that the various skills and experiences in this course will help me reach my goal of working as a software engineer. Skills I have learned during this semester were Docker and using Docker Compose. I also learning about the various AWS features when it comes to deploying a full stack application. This includes S3 buckets, Lambda functions, and DynamoDB. I believe that my strengths as a software engineer are the ability to break a problem down into smaller, more manageable pieces. I also think I am experienced at learning new skills and looking up what I don't know online. I believe that I could perform tasks in both a frontend and backend role based on my knowledge gained in school and willingness to constantly improve my skills. When it comes to cost, you must figure out how many users you have, and you can take advantage of the pay as you go model that provides your application with elasticity. I think serverless would be more predictable than containers since you could use the pay-as-you-go model and AWS has good tools to show you the metrics of the people using your application.

      I think when planning for expansion, it is an advantage of using serverless are that you do not have to configure your own servers and AWS provides great options to help with that. AWS also provides great ways to provide security by creating security policies that determine who has access to what resources in your application. Another advantage is that you will not have to host local servers on-premises and hire someone to manage them. A disadvantage of serverless computing could be No access to virtual machines, operating system or runtime environments. Elasticity and pay-for-service are important factors especially when considering using Lambda functions. This is because you only pay when the functions are invoked. and these functions have a maximum runtime to 15 minutes.