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CS 470 Final Reflection

Link: <https://www.youtube.com/watch?v=L4g-hfYBC9o>

Through this course I have learned a lot when it comes to full stack as well as what it takes to convert a local desktop run application compared to a serverless encompassed application. For my career I believe that the experience gained with AWS will be greatly beneficial as many companies are higher individuals with skills in AWS and to understand how it interacts is a huge benefit. I have also learned information about what makes different architects beneficial compared to other, I learned the difference between MongoDB and DynamoDB, both of which are very popular in the industry, and I have also learned have to use both efficiently. When it comes to strengths that I have as a software developer I tend not to know exactly what I am proficient at, I spend more time trying to understand what all is involved in being a good software developer. I understand that companies are looking for individuals who have experience with a full stack application, the frontend and backend of an application or system are careers that I see very often. I think if I spend more time honing my skills in the frontend and backend, I would be an excellent candidate for a lot of roles.

For an application that I create I must take into consideration many factors, such as cost, security, scaling, and customization. If the company I am working for is very large they may have their own servers and base everything off what they have, but if the company is smaller, I would have to use serverless. The benefits to serverless that is great for smaller companies or companies who don't want to spend time and money maintaining servers, but this does mean you don't have as much customization into the type of security or other specific features. The

serverless does remove the burden for purchasing, installing, and running servers which could be very difficult for a smaller company, and it would also have various pitfalls that could detour companies. The serverless side is great for scaling as it will scale automatically without the need for adding more servers, this limits the wasted resources and companies only get charged for what they use so if they don't need as much capacity then they would pay less. This type of model is pay-for-use which is great when it comes to maximizing resources while also reducing cost, with a serverless application this is possible but with local storage this is extremely difficult. On a local storage the servers would have to be constantly running while a serverless application has servers active based on the volume of users in the system. When it comes to local versus serverless it all depends on what the companies focus is, if they want much more control and they already have a huge volume so the overhead is negligible then having their own servers would be beneficial but for smaller companies who do not have the funds to maintain their own servers or who want to focus on other aspects related to the customer than a serverless route is the best option.