

Alexander Diederich

CS-470 Final Reflection

3/2/2024

Presentation Link: <https://youtu.be/MswN21KNzYw>

During the time taking this course, I learned a lot of valuable skills that will help me with my professional goals. One of the best things that I learned from this course is how to develop a full stack application due to it being a highly looked for skill in the development field. Serverless applications are becoming more and more popular so gaining the skills to develop that type of application is also a huge bonus. While I am still learning to develop software, one thing that I think I am good at is problem solving when I have issues with my code, and finding where the error is. When working on my assignments and coding, I have a hard time with taking a break when there is an issue because if I stop while my code is not working even if it is for a tiny break I feel like I am failing, which is something that I need to work on. While I still have a lot to learn I am looking forward to being able to develop more applications both serverless and regular full stack applications, and adding those to my resume when I start looking for a development job.

Cloud services like AWS allow for development teams to focus on the application being built. Instead of them needing to worry about maintaining the server, cloud servers manage and scale to the needs automatically. Cloud servers also run on a pay-for-use model, meaning that companies only pay for what they actually use. Due to this reason, I believe that cloud based services are more cost predictable. In order to predict the cost though, companies will need to log the amount of activity on the application. After watching the activity trends for a little bit, it will

be easy to predict how much it would cost to run the serverless application. Serverless services allow for auto scaling based on application size, meaning that applications can be expanded with ease, but serverless services do have file size and data type restrictions meaning that it cannot handle complex applications. Serverless services have elasticity of automatic scaling and it is pay-for-use, making it easy to grow applications without needing to worry about setting up, managing, and paying for a lot of servers.