Samuel Bailey

October 16, 2021

CS-470 Final Reflection

<https://youtu.be/w-5nbSrr1eA>

In this course I was able to begin my path down the understand the inner workings of the cloud providers and how to scale large applications to be used in the real world. My strengths as a software engineer are being able to learn quickly and adapt. As well as ask questions and use the resources around me when needed. Some of the roles I am ready to accept as a future role are all cloud-based applications being able to step in and take over with hesitation and downtime.

When it comes to planning for growth, we need to study the data that we have with our analytics. Ultimately, we always need to build in our best practice and prepare for scale. For example, if I must decide between using an S3 bucket regionally or in a zone I would pick regionally since it ensures more reliability for our products. Predicting cost is simple now in the cloud world, most of the providers give us very accurate estimates about the products we are using.

The main problem comes into frame when we are thinking of budget, in our previous example of the S3 bucket the cost regionally and in a single zone is very different almost double in some cases. So we need to make decisions with our executive team about what matters more. Saving money or reliability.