

Justin Simon

SNHU CS 470

Professor Kaan Esendemir

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# CS 470 Final Reflection

## Explain how this course will help you in reaching your professional goals:

This course has been instrumental in learning how to use AWS to deploy applications to the cloud. I feel that my major strength as a Software Engineer is the problem solving skills that I have developed. I am able to diagnose a problem, break it into smaller segments, and then solve the problem step by step.

I plan to pursue a Software Engineer job, specifically in full-stack development. I enjoy working with back-end services the most but also get enjoyment of bringing everything together with a front-end as well.

## Synthesize the knowledge you have gathered about cloud services:

I would handle scale and error by deploying serverless applications with great error handling. It is imperative for software to handle errors in a graceful manner and keep track of errors so that Software Engineers can correct mistakes and improve efficiency.

I would predict the cost of a serverless application by examining the cost structure of the services involved. Using the cost structure and planned usage, I could easily calculate an estimated cost of running the software in production.

The cost of running software in containers is more predictable because you typically pay a fixed fee for hosting and bandwidth. Running a serverless application introduces variances in the cost, based on usage.

When planning for expansion, I believe going serverless provides the most benefits. It allows you to focus on writing efficient code rather than managing servers.

It is important to write software in a way that increases its elasticity. The serverless platform scales automatically but it is up to the developer to ensure that the application is not using resources unnecessarily.

## Final project video:

[https://www.youtube.com/watch?v=utlHip\\_Yzds](https://www.youtube.com/watch?v=utlHip_Yzds)