

CS 470 Final Reflection

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<https://www.youtube.com/watch?v=mcwyT3JyIAU>

Thanks to this course I have learned some skills that will allow me to reach my professional goals. I have learned how to migrate from front-end to back-end and working on the cloud. I learned about AWS, Lambda, API Gateway, S3 buckets and more. Not only did I learn about the things mentioned above but I also got some experience giving a presentation. As a software developer I would say my strengths are problem solving, critical thinking, as well as thinking outside the box. I feel I am prepared to handle any role in my new job, although I do have both strengths and weaknesses I feel with the correct training and in job experience I can overcome any barrier that my weaknesses may create.

With the use of a serverless provider like AWS there is little for developers to do about scaling since the provider handles scalability amongst other things themselves. The developers would just need to worry about writing error free code and patches. Since cloud services usually are pay-as-you-go the best way to predict the cost is to know the size of your application and how much memory it will require then make the calculations from there. Another way is to just sign up for a flat monthly or yearly fee. I believe containers to be more cost predictable since you will be charging a fee even if the application is not being used, the only issue with this is that you may end up paying more than you need to. I think cost is a deciding factor in plans for expansion. Now when thinking about cost we must think of elasticity and pay-for-service. This can drive costs down since you will only pay for the services and memory you use. In other words, if your application is not being used or called upon then you will not pay for services or memory you are not using.