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CS 470 Final Reflection

<https://youtu.be/Rad6z5jtQ84>

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As I worked through this course and learned how to use Docker, Containerization, and other AWS services, these skills have helped me develop a better understanding of cloud development and the ins and outs of said development. With these skills and increased understanding on these topics, it has made me a more marketable candidate in my career field due to the ability to work in cloud development and the use of AWS services. As I have learned and developed the containers and orchestration of these containers, I have learned how to link containers, and by using lambda, set functions that can trigger certain outcomes that are designed for. This has all helped to improve my strengths as a software developer, as it has helped increase my repertoire. With the knowledge of cloud development added to my knowledge on using the different coding languages, MEAN stack, and various other tools such as Visual Studios and Android Studio, I have become a more well-rounded software developer. I am prepared to assume different roles when it comes to a new job, whether that be on the development team, the quality assessment team, or any other role that a company would desire of me.

When looking at using cloud services, the ability it gives you to not have to worry about the backend, helps to build a user focus team, aiming to improve the quality of your services centered on the users. By using services such as the bucket for amazon, it helps in scaling while also being friendly in terms of price. Not only that, but it is also possible to determine cost by the amount of usage one's software and application may use. With that being said, in terms of expansion, cloud services allow for better upscaling and at a consistent rate. Though will hardware focused platforms done outside the cloud services, the control given by having full control of the backend can help lead to better security of assets. This does not mean that cloud services do not provide security, it just means that with full control of your software and

hardware infrastructure lets one decide all the ins and outs of the application. With elasticity and pay-for-service, these help factor in the decision of expansion and planned future growth. These two things help developers adjust what services they are using and how much they are spending due to the traffic on their applications and software. It allows developers to truly decide whether or not future growth is necessary at the moment and helps them plan, roadmap, when it should occur. Not only that, but the pay-for-service allows for them to only pay for what tools they need or are using.