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CS-470

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Project Two Youtube Link: <https://youtu.be/h0wtzy_XLBo>

Week 8 Assignment: Final Reflection

This course will help me in reaching my professional goals because it has enhanced my knowledge of cloud development. I have learned how to take a full stack application and move it to the cloud using containers, and Docker. This will help me be more marketable for cloud-based development positions because I have a better understanding of how it functions already. My strengths as a software developer include the ability to solve complex problems, and the ability to get to the root of understanding the problem so that I can better design a solution. I am very good at empathizing with the stakeholders to get a full understanding of the goal. The types of roles I’m prepared to assume in a new job include software developer, or quality control specialist. I have a large history of Networking already, so I may look for a hybrid role that combines multiple areas. Cloud-based development will be something I will be doing for myself on the side as well.

With microservices, you can scale the individual components of your application independently based on demand, and predicting costs can be very challenging due to the need to monitor multiple services. With serverless, scaling is handled automatically by the cloud provider, and cost tracking is nailed down to a very specific number so you can see exactly what you are paying for. Containers are more cost predictable because you can control the resource limits of them, whereas serverless has a lot of abstraction involved so you don’t exactly know how to predict. The pay-as-you-go model for serverless can be very beneficial for businesses that have up-and-down traffic patterns. Elasticity refers to the ability to scale dynamically based on demand and pay-for-service is a model based in serverless.