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CS 470 Final Reflection

Presentation Link:

https://youtu.be/2T_trO_BIYk

Experiences and Strengths:

This course has taught me more about cloud development and how applications are created and migrated to the cloud. Prior to this course, I only had a limited knowledge of Microsoft Azure but after this course I have a vast knowledge of Docker and Aws after the completion of this course's material. Subjects that I have learned in this course include MongoDB, containerization, and orchestration through Docker. AWS topics that I learned include Lambda functions, Amazon Simple Storage (S3), IAM, roles and policies, pay-for-use model, and Amazon API Gateway, and DynamoDB.

My biggest strength as a Software Developer is my ability to solve complex problems from start to finish. I can take a vague prompt and return a solution for it after getting the needed details to solve it. I am ready to take on new roles in the tech industry utilizing my skills learned not only in cloud development, from this course, but also other courses. The roles that I am interested in are Python Developer, Java Developer, or Full Stack Developer utilizing the MEAN stack. Overall, I am a fast learner and can adapt and become successful in any atmosphere and role.

Planning for Growth:

Serverless and microservices can prove to be a valuable solution for many companies. Going serverless would allow for scalability and error handling. Using a platform like AWS a lot of this is already handled, but the developer can add specific error handling so that specific content is showed in the even there is an error; this also allows developers to make changes to the code on their local machine and not worry about it breaking the code that was uploaded into AWS.

Predicting costs can be tricky especially using pay-for-use model as the traffic to the website can be different from month to month but serverless seems to be the most cost effective solution as it does not require a ton of refactoring to the application and is easy to implement for full stack applications.