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CS 470: 8-1

CS 470 Final Reflection

[Project Two Video Link](#)

Through both Full Stack Development I and II courses I have gained more knowledge on how a full stack application works. In the first course I created a MEAN full stack application. In this course I moved that application to the cloud. Initially using Docker Compose to containerize the application and run individual parts in those containers. I then moved on to moving the application to the cloud, utilizing different AWS services. The S3 storage bucket was used to host the files and run the front end of the applications. Lambda and API Gateway were used to access the DynamoDB database. Going through the full stack process helped me understand and demonstrate my skills using JavaScript, following best practice principles for software development.

Having set up a full stack application in the cloud, I have learned more about the benefits of cloud applications. Maintaining physical servers for data necessary to run an application may not always be a viable option. Renting server space may be a good solution especially when running an application using containers such as Docker. Another option is to use a serverless option like AWS. This is an option that makes maintainability and scalability much easier. Using serverless is more predictable as far as cost than containerization making it an appealing option. Cost is an important factor in choosing what data solution is right for a given situation. Having learned about these options will make it easier for me to adapt to the solution that fits any application I work on.

As I finish my time at SNHU and my formal education in computer science I understand this is only the beginning of gaining knowledge about software engineering. This is a fast-paced field with new technologies presenting themselves all the time. I am confident in my ability to learn whatever I need to learn to be successful and make software to accomplish its purpose. There is always more than one way to accomplish a task and perseverance is how I can find a solution that works well. I hope to build on the foundations I have gained at SNHU and continue expanding my knowledge So I can find creative solutions on future teams.