Southern New Hampshire University

CS 470 Final Reflection

Alyssa Mazzucotelli

Professor Alam

CS-470-H7082 Full Stack Development II 23EW2

12/17/2023

<https://youtu.be/w9NbLyUByXo>

In CS 470 I learned skills to migrate a full stack application to the cloud. I learned how to use several new services like containerization in Docker and several services from Amazon Web Services like Lambda, DynamoDB, and S3 that allowed me to build a serverless web application. I also learned about AWS Identity and Access Management (IAM) which allowed me to manage access to that application. After this course I feel a lot more comfortable with full stack development and using cloud services.

As far as scaling and predicting the cost AWS has Cloud Financial Management products that I believe would be helpful. While I have not used them personally yet, there are products to set a budget as well as a billing conductor as well as cost and usage reports that I believe would help me make informed decisions on predicting the cost of using cloud services. I believe that containers can be more cost predictable than serverless. Serverless is pay-as-you-go based on how many times functions are called so that can be less predictable than basing it on running instances and cloud resources like in container usage. The pay-as-you-go model is good though as it allows for growth without need for buying and maintaining more servers like a local storage hosting option might.