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CS 470 Final Reflection

https://youtu.be/usEIpXTeHlY

Experiences and Strengths

This course helped me grow as a developer. I got hands-on practice with cloud tools like Docker, AWS, Lambda, and API Gateway to build and run a full stack app in the cloud.

I learned how to use containers, build serverless apps, and create secure APIs. These skills are useful for many tech jobs and make me feel more confident about my future.

One of my strengths is problem-solving. I like to break things down and find simple solutions. I also focus on keeping things secure and running smoothly.

Now, I feel ready for roles like junior cloud developer, backend developer, or DevOps support — anywhere that works with cloud apps and APIs.

Planning for Growth

In the future, I would use microservices or serverless functions to help my app grow. These make it easier to manage and scale each part of the app separately.

To handle more users, I would set up auto-scaling and add error handling to my Lambda functions. I'd also use logs and alerts to catch problems early.

To predict cost, I would use AWS tools that show usage and pricing. Serverless is cheaper when traffic is low. Containers might be better if traffic is steady or high.

Serverless – Pros:

- Easy to scale

- No servers to manage

- Pay only when used

Serverless – Cons:

- Can be slower at startup

- Less control over settings

Containers – Pros:

- More control

- Good for steady traffic

Containers – Cons:

- More setup work

- Need to manage resources

Elasticity means the app can grow or shrink as needed. Pay-for-service means I only pay for what I use. These help me plan smart for future growth.