

CS470 Final Reflection

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CS470 Full Stack Development II

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Experiences and Strengths

- This course has enhanced my cloud services and API integration skills, which seem crucial for cloud application development. I have gained the knowledge and know-how in serverless architecture, which hopefully positions me well for a role in my future career.
- One of my strengths from this course would have to be Lambda functions and Gateway API. Thanks to my errors, I got a better understanding of building serverless architectures that are cost-effective, highly scalable, and responsive to real-time traffic demands.
- Some roles I could assume would be cloud architecture planning, full-stack development, and backend development, all thanks to the hands-on experience I have gained from this course.

Planning for Growth

- AWS CloudWatch will be critical for monitoring, logging, and error handling, allowing for proactive resolutions and automated scaling.
- AWS' Cost Explorer can aid in predicting and controlling costs by providing detailed information on spending patterns.
- The predictable cost model of AWS Lambda due to its execution-based pricing differences with the continuous cost of container services, like Amazon EC2 instances, even when idle.
- Pros of using AWS for expansion include a massive ecosystem of integrated services facilitating rapid development, while cons may involve complex cost management and the need for a specialized cloud expert.

- Elasticity is a core feature of AWS services like auto-scaling, and the pay-for-use model in AWS' pricing structure is central to effective resource utilization and cost control for future growth.

Below is a link to a video presentation.

<https://youtu.be/SWLsmUwIBPA>