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CS-470

Presentation Link: https://youtu.be/VwvcCbaf9AI

Final Reflection

- What skills have you learned, developed, or mastered in this course to help you become a more marketable candidate in your career field?
    - My professional objectives have been aided by this course. It has equipped me with the knowledge and abilities needed to create cloud-based full-stack web applications. I now understand and can use AWS. Especially DynamoDB, AWS API, AWS Lambda, and S3 Buckets which will, hopefully, make me a more appealing prospect in this field. As a software developer, I'm also still committed to learning and expanding my abilities.
- Describe your strengths as a software developer.
    - As a software developer, my strong points are my attention to detail, my rapid learning curve for new technologies, and my ability to solve problems. In addition, I am a good team player who can collaborate well with others to accomplish shared objectives.
- Identify the types of roles you are prepared to assume in a new job.
    - I believe I am qualified for a number of positions, including cloud architect, full stack developer, and software engineer.

- Identify various ways that microservices or serverless may be used to produce efficiencies of management and scale in your web application in the future.
    - I'm going to use serverless architecture and microservices to make my web application more scalable and manageable in the future. Using microservices, you can divide a big application into more manageable, standalone services. This facilitates the management and scalability of the application as well as the ability to modify a single service without impacting the application. Apps can be run using serverless architecture without requiring server management. This can lower the risk of security vulnerabilities while also saving money and time.
- How would you handle scale and error handling?
    - I would keep an eye on the application's performance using a monitoring system. This would enable me to spot any mistakes or problems with performance early on.
- How would you predict the cost?
    - I would calculate how much it would cost to run my application using a cloud pricing calculator.
- What is more cost predictable, containers or serverless?
    - Compared to serverless, containers have more predictable costs. This is because the price at which containers operate is determined by the quantity of resources they consume. The quantity of requests that serverless apps process determines how much it costs to run them.

- What roles do elasticity and pay-for-service play in decision making for planned future growth?
    - Pay-for-service and elasticity are two strategies I intend to employ to help me control the cost of my web application. To keep track of my application's expenses, I will also keep an eye on how it is being used. I will change the configuration of my application to lower the cost if I notice that it is becoming too expensive.