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CS 470 Full Stack Development II: Final Reflection

YouTube: https://youtu.be/7dc6PSJPJg8

Experiences and Strengths:

- What skills have you learned, developed, or mastered in this course to help you become a more marketable candidate in your career field?

  During my time working in this course, I have better developed my skills with debugging issues that came up in the programming of my assignments. I learned how to properly use Docker's system and how to build images as well as compose those images into containers. I learned how to navigate through AWS and build a Full Stack application that allowed for a user to create questions, create answers, delete those questions and answers, and to edit them as well.

- Describe your strengths as a software developer.

  As a developer my strengths are paying close attention to detail and understanding that there is a reason for why something is not working and to back track through the steps I have taken to debug the issue and fix it. I truly enjoy the creativity that comes with developing and the critical thinking that is needed to debug an application to get it to properly run.

- Identify the types of roles you are prepared to assume in a new job.

  The roles that I am prepared to assume in a new career are Cloud Based Applications and Full Stack Development.

Planning for Growth:

- Identify various ways that microservices or serverless may be used to produce efficiencies of management and scale in your web application in the future. Consider the following:
  - How would you handle scale and error handling?

    I would handle scale and error handling through Event-driven Architectures. This style uses events and asynchronous communication to couple an applications components.

- How would you predict the cost?

  The use of AWS Cost Calculator would help with predicting costs. As well as understanding the current usage I am performing with Lambda functions.
- What is more cost predictable, containers or serverless?

  Containers are more cost predictable because they have a base set price while serverless is charged per request being executed.

- What roles do elasticity and pay-for-service play in decision making for planned future growth?

  Elasticity refers to the cloud systems ability to scale its resources automatically based on the level of demand, and pay-for-service plan is that you pay for the service when the request is executed.