

CS 470 Final Reflection

CS-470-T4074 Full Stack Development II 21EW4

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Experiences and Strengths: Explain how this course will help you in reaching your professional goals.

This course will help me reach my professional goals by giving me the tools and skills that steer me in the direction of having a understanding of cloud computing and AWS services.

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

I have learned skills in creating and developing AWS services that I am currently adding to my resume and have already stood out to employers. This is a great skill to have in this field, and I am going further and studying for AWS Architect certifications.

Describe your strengths as a software developer.

As a software developer, my strengths lie in my ability to stick to a task and error check the project to ensure a complete and functioning final product.

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

In a new job, I am prepared to assume a role in cloud computing and vulnerability management.

Planning for Growth: Synthesize the knowledge you have gathered about cloud services.

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 scaling and error handling in the future by recommending AWS and cloud services as this provides a level of automated scaling and error handling that would otherwise be unavailable or costly locally.

How would you predict the cost?

Using AWS services, the costs would be calculated using the cloud monitoring services that are included with the service.

What is more cost predictable, containers or serverless?

Serverless computing is more predictable, as AWS provides tools to analyze past performance and chart it for future tracking and predictions.

Explain several pros and cons that would be deciding factors in plans for expansion.

In plans for expansion, several pros would be the added allocation of resources, access to the api at higher speeds, and availability of access for more customers. The cons would be in the price of the resources and the concern of scalability.

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

The role elasticity and pay-for-service play in the deviation process for planned future growth is that they cover the cons listed above through Serverless cloud computing. They allow for the scalability and cost associated to be computed and measured by the cloud provider.