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Assignment name: CS 470 Final Reflection

https://www.youtube.com/watch?v=--O_gYvapC4

Experiences and Strengths:

Completing Full Stack Development II has empowered me with essential skills vital for the software industry. Mastering technologies like React, Node.js, and MongoDB, I am well-equipped to develop dynamic web applications. My ability to write clean, maintainable code and my knack for problem-solving make me a valuable asset. I excel in collaborating within teams and adapting to new technologies, positioning me as a versatile and marketable candidate for roles such as Full Stack Developer or DevOps Engineer.

Planning for Growth:

In planning for future growth, I understand the significance of scalability and flexibility. Both microservices and serverless architecture offer efficient solutions. Microservices enable scalability and flexibility but require careful orchestration, while serverless computing, though simpler, can face latency issues. Evaluating costs, serverless often provides more predictable expenses due to its pay-as-you-go model. Considering elasticity for workload fluctuations and aligning costs with actual usage through pay-for-service models are crucial factors in making informed decisions for the web application's expansion.

Pros and Cons for Expansion Plans:

Microservices and serverless architectures offer scalable solutions but come with complexities such as orchestration challenges and potential vendor lock-in. Serverless models provide cost efficiency through pay-as-you-go billing but may suffer from initial latency. Both options demand thoughtful consideration, balancing the need for scalability, cost predictability, and management efficiency in the pursuit of sustainable and seamless application growth.