Final Reflection - Module Eight Assignment

CS-470-R3375 Full Stack Development II 24EW3

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Link to video:

<https://youtu.be/A-7eyQkgKYQ>

During the course, CS 470, I've practiced skills in developing a full-stack web application, using a cloud environment. This course has equipped me with valuable knowledge and practical experience that will undoubtedly benefit me in reaching my professional goals.

The skills I've learned, developed, and mastered in this course have made me a more marketable candidate in the field of software development. I've gained proficiency in various programming languages, frameworks, and tools commonly used in web development, such as Node.js and MongoDB. Additionally, I've learned how to design and implement RESTful APIs, manage databases, and deploy applications to cloud platforms using Amazon AWS.

My strengths are the ability to write clean, efficient code and my innate sense of problem-solving. I have a strong attention to detail and a passion for continuous learning and improvement.

With the skills and experiences gained from this course, I am prepared to assume roles such as full-stack developer, software engineer, or cloud developer in a new job. I am confident in my ability to contribute effectively to the development of innovative and scalable web applications.

In planning for the future growth of my web application, I will leverage microservices or serverless architecture to produce programs that run efficiently.

For error handling and scale, I will implement strategies such as load balancing, auto-scaling, and fault tolerance mechanisms. This ensures that the application can handle increased traffic and recover well from failures, maintaining high performance and reliability.

Containerization offers more flexibility and control over the environment, which may be preferred in certain scenarios. They provide a consistent runtime environment, making it easier to manage dependencies and ensure compatibility across different environments.

Overall, my ability to think ahead and apply complex concepts to planning for scale and elasticity in the cloud will be essential for the successful growth of my web application.