

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

The skills I've learned in this course such as containerizing an application using Docker and migrating a full stack application to Amazon Web Services using S3, DynamoDB, API Gateway, and Lambdas have all made me become more marketable in my career field as they're all very high in demand skills for web development positions across all industries.

Describe your strengths as a software developer.

I think my greatest strength as a software developer is my exposure to a wide variety of languages and frameworks over the course of my degree, and my thirst for knowledge and growth coupled with my determination to make things work, as well as my ability to learn quickly. I think all of this makes me somebody who can quickly get up to speed with whatever project that I'm placed on in my career.

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

Courses at SNHU have exposed me to many different languages, frameworks and technologies which should allow me to assume the roles in cloud computing, full stack development, software development, machine learning, data analytics, and other programming-based positions. However, I believe that I am most prepared to assume the role of a full-stack developer after this course. I feel like I am fully prepared to create a fully functioning website based upon my work in my web development courses as opposed to other courses where I felt like I was introduced to good concepts and skills, however, did not have any tangible results that felt like I had truly created something of my own that I could be proud of and show to others/publicly release.

Identify various ways that microservices or serverless may be used to produce efficiencies of management and scale in your web application in the future.

Serverless systems such as AWS allow for very efficient management of scale thanks to its automatic scaling of services such as Lambdas, and DynamoDB. Many tools also exist to predict the cost of an application running on AWS such as its pricing calculator. Thanks to this AWS provides a more predictable estimate of cost, versus containerization which requires up front cost and commitment to resources.

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

There are many deciding factors when planning for expansion of applications, the biggest factor would be cost and time to build infrastructure, as well as acquiring and training new staff. Of course, the pros of expansion include things like increased revenue and userbase, which can open many more opportunities for growth and expansion.

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

Elasticity and pay-for-service play a great role in decision making for planned future growth. The ability to easily scale resources of an application to meet user needs along with the pay-for-service model allowing companies to only pay for resources when they're being used gives business a fantastic prospect at being able to plan for the cost and demands that growth would require.