Bijal Chauhan

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CS 470 Final Reflection

https://youtu.be/twzvaqgOlZM

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

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

    During the whole course, we worked with the Docker containers and applications, providing consistent and isolated environments. Using Docker compose, I created containers for a full stack front end angular container, Node.js backend REST API container, and a MongoDB database container. Docker allowed these containers to communicate within an isolated network as a single logical unit. I also learned to apply the serverless concept to full stack applications in API Gateway to define routes and endpoints for a RESTful APIs.

    o Describe your strengths as a software developer.

    My strengths as a software developer include fundamental knowledge of software design principles, development, and testing. I also have technical and programming skills.

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

    Some of the roles, I am prepared to assume in a new job includes:

    ➤ Entry level Full Stack Developer.

> ➤ Entry level Salesforce Developer.

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

Microservices architecture is an approach that a single application is composed of many loosely coupled and independently deployable smaller services. Microservices and Serverless are the future of modern tech. A single application may consist of multiple microservices and short-lived functions that interact with a range of other resources. To optimize and troubleshoot serverless microservices, teams need visibility into how their functions and services interact with each other.

Predicting the cost of serverless applications can be another task. It is difficult to predict the exact cost of the operations. Most of the services that we use follow a pay as you go model.

Serverless computing products, such as AWS Lambda work on a pay as you go model. Microservices on containers while relatively cheap to provision require payment for the instance to run 24/7, even if there is no load.

Some of the features to microservices and serverless includes Autonomous, Decentralized, Technology, Flexibility, and Scalability.