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CS 470 Final Reflection

[https://youtu.be/U-E\\_9GznUQw](https://youtu.be/U-E_9GznUQw)

## Experiences and Strengths

In this course, I learned about the importance of Containerization and the Cloud Development cycle. I learned how to use Containerization and how the application dependencies can be used to form a fully functional application on almost any operating system. I also learned about a numerous amount of Amazon Web Service and their part in creating a fully serverless cloud integration that can be used to gather and disperse information with the use of an online API. This API is usually not accessible to the public, though a few settings later, and it is easily capable for the public. The S3 bucket can be configured to allow zero access. Finally, using Angular, DynamoDB, EC2, and S3, I configured a fully functional web application.

My strengths as a software developer mainly revolve around my ability to enjoy puzzles, and the ability to use google efficiently. There will always be things that can't be solved by a google search. If you find yourself in that situation, begin looking at the documentation, as it may be what you are looking for. One of my favorite things as a developer is actually seeing the finished product. I love the way I feel when I make other people happy, so this is okay.

The types of roles that I am prepared to assume include, but are not limited to:

- Back-End Developer
- Big Data Engineer
- Cloud Architect
- Cybersecurity Analyst
- Data Analyst

- Data Scientist
- Database Administrator
- DevOps Engineer
- Front-End Developer
- Full Stack Developer
- Information Security Analyst
- IT Auditor
- IT Business Analyst
- IT Compliance Officer
- IT Consultant
- IT Director
- IT Operations Manager
- IT Project Management
- IT Service Desk Manager
- IT Support Specialist
- IT Trainer
- Network Administrator
- Network Engineer
- Quality Assurance Engineer
- Software Engineer
- Software Tester
- SQL Developer
- Systems Administrator
- Systems Analyst
- Systems Engineer
- User Experience Researcher
- User Interface Designer
- Web Designer

I whole-heartedly and confidently say that I would be able to perform and job duties are required of me.

## Planning for Growth

Microservice, Serverless, and Services all have perks and allow for developmental gains when not being used or needed. It will never hurt you to learn more about an education topic. With microservices, it is possible to watch a movie or keep a business floating in the cloud. A great example of microservices and serverless being used in tandem is easy to picture.

Imagine that you are the developer for a serverless company. You try your best to keep up with everything by hand, yet something goes wrong, and you get behind. Suddenly, you face a dilemma. However; You know all about microservices. In using microservices, you have automated most of the process. You have set up User Services, Order Services, Inventory Services, and Payment Services. With these services in place, you can safely assume that most of the work will be done for you. This allows you, as the developer, the time and freedom to be more productive and learn new skills.

When someone asks you if you know how much the services cost, you can say yes. Most of the services provided by microservices tell you exactly how much they cost, by making their prices entirely transparent. With microservices, you can easily handle errors and scalability. It is entirely easy to see that Serverless is much more affordable, as there are no servers to deal with, and server maintenance is not a cheap service. You can now, most likely, see that your company has great elasticity. Why not start your adventure into microservices and Amazon Web Services.

Thank You Very Much for reading.

Douglas Bolden.