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CS 470 Final Presentation

CS 470 Project Two Conference Presentation: Cloud Development

Experiences and Strengths

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

a. This class has taught me a lot. It has really opened my eyes to the world fo developing full-stack web applications in the cloud. This gave me some understanding of AWS. I had never really used Docker and AWS API until this class. I think if I continue down the path of software development, this will make me a more valuable candidate..

2. Describe your strengths as a software developer.

a. My strengths are being able to adapt to changes easily, and I am always willing to learn. I have been working on my problem- solving skills from a software development standpoint. Right now my problem solving skills are stronger in the hardware portion of technology. I am also able to work with a team or independently as needed.

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

a. The types of roles that I may be ready for after this class, are software engineer, full stack developer, and cloud architect.

Planning for Growth

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

a. Looking ahead, I will be using microservices and serverless architecture to improve the efficiency in managing and scaling mu we applications. Since Microservices is the process of taking a large application, and making it into smaller services, this will make managing and scaling application so much easier. This will also give me the ability to make changes to the services without directly messing with the rest of the program.

The serverless setup saves time and money because it doesn't require any servers to run. This is also good for security.

2. How would you handle scale and error handling?

a. I would get a monitoring system to assist me. The system I would use will allow to keep an eye on the way the application is running. This will allow me to see if any issues are occurring. This will also allow me to spot issues early.

3. How would you predict the cost?

a. To predict the cost of running my program, I would run a calculator that is designed for cloud pricing. That would give me some type of an idea of how much the application will cost.

4. What is more cost-predictable, containers or serverless?

a. I believe containers are more cost-predictable. I say this because containers use resources and that determines how much they will cost. Whereas, the cost of a serverless setup will based on the number of requests they receive, and that is not easy to predict.

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

a. Elasticity and pay-for-service both can be used to help me see the cost of my web program. I will use both of them to track how much my application is being used and how many resources are being used for it. If the cost goes up too much, then I will have to adjust my application as needed.