Final Reflection

CS 470 Full Stack Development II

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CS 470 Full Stack Development II Video

https://www.youtube.com/watch?v=kvVdD4hFS6s

Experience and Strengths

During the course CS 470 Full Stack Development II, I learned a lot of new stuff and the best experience on hand of migration of an application to a cloud-based environment. During this process, I learned how cloud-based applications are developed and implemented in a better environment with real experience, plus a lot of information on how a cloud is a good option and how companies can benefit from it.

The strength that I have acquired as software developers is critical thinking, which is very important to develop in the best proper way, problem solving is very important since the process of software development will have a lot of bugs. Time management is very important so we can finish a task on time.

During all the experience I have acquired I feel I can be able to have a job as an entry level software or cloud engineer. But, if I think about the skill development during this class, I can look for something higher like entry-level Artificial Intelligence which I will personally prefer.

Planning for Growth

Scale and handling are managed by using serverless solutions that scale automatically. AWS provides scalability and handles errors that come with its cloud service. For that reason, I will use the AWS service.

One of the best benefits of cloud service is the cost, AWS has a model of pay-as-use, which means you only pay for what you are using, and customers will not need to worry about the maintenance of the servers.

Containers are more predictable than serverless because there are always machines running to instantiate them. Also, containers are more predictable to find the charge amount.

Pros & Cons of Expansion

Containers

Pros	Cons
Great Portability	Waste of unused resources
Built-in Version Control	Risk under-provisioning
Ability to fine-tune systems	Require more time
	Manage server

Serverless

Pros	Cons
Less Money	Prone to Provide lock-in
Automatic Scaling	Limitations on the design
Server Management	
Less time and Resources	

Elasticity and pay for service.

When we talk about elasticity and pay-for-service it needs to consider the size of the project plus the budget of the project. Elasticity is already handled but might be less cost-effective depending on the scale of the business.