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CS470

Module 8

Assignment 8

I learned a lot throughout this course. I strengthened my ability with full stack applications and deeply developed my skillsets and understanding on how all aspects connect together. prior to this class I was taught specific focuses and aspects of computer applications but never really focused on tying them all together. This class taught me the logic, interactions and connections each aspect has with one another. I'm much more capable at identifying issues and understanding the full logic behind full stack applications. This class has also taught me the tools and resources of AWS and how to use them.

I believe my greatest strength is my understanding for the logic behind computer applications. I still have a lot to learn and may not be a full expert knowing every single line and syntax error but I do have a good general understanding on what is needed for a code to function, the interactions each component has with each other and what is generally expected from the front end, back end or database.

From my skillsets and academic journey, I believe that I am best fit for a software developer role. Not exactly pinpointed on which specific developer role but one where I can contribute to a bigger overall project, growing my skillsets and able to learn new concepts.

From my time in this class I saw the great benefits and potentials with microservices and serverless tools. They each offered a lot of conveniences and unique advantages that can prove effective in specific scenarios. I found that microservices offered great portability and had a lot of customizability and personalization over one's containers. Whilst serverless had a lot more autonomy and conveniences that were a lot easier to use but came at the cost of customizability. In terms of cost.

I find the pay as you model that serverless offers works great with lower workloads and unpredictable traffic. With tools such as throttling and auto scaling cost can be planned out and can be effective in more spontaneous environments. But when workloads get bigger and projects require a lot more resources pricing predictability becomes harder. With containerization pricing is a lot more fixed but less personalized. Whilst this can make it easier to plan and a better option if the workload will be bigger there are a lot of saving opportunities if full space and resources aren't going to be used.

