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CS 470 Final Reflection

<https://youtu.be/eZeNw6o0VI0>

Throughout this course I have learned how the many different services provided by AWS allow developers to integrate their full stack applications into cloud-based solutions. I have learned how to create and implement Lambda functions as well as setting up appropriate interactions with the API Gateway. With a goal of back-end development as a career, understanding the basics and having a foundational familiarity with Amazon Web Services, I now stand more prepared and marketable as a candidate in my field. My main strength as a software developer lays in my ability to troubleshoot errors as well as situations where I have no relevant experience or knowledge. I have time and time again been able to quickly find solutions to problems that I have never encountered before as I am always eager to learn. I am looking forward to taking on the role of a back-end software developer.

Going serverless with AWS would provide major convenience when encountering issues with scaling as the vast majority of this work is done automatically with services like Lambda. There is a fair portion of serverless platforms that have some built-in error handling as well. Predicting the cost of these services would require an accurate business model of how your application would be utilized in terms of computing power and storage required for the expected number of users over time as AWS has varying rates based on these metrics. While containers do have fixed costs and provide more control in resource utilization, serverless solutions are far easier to implement and allot the developers more time to dedicate to their code.