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Module 2 Assignment

CSD380-DevOps

Operation Inversion at LinkedIn

The case study for chapter 6 in our DevOps book is about how LinkedIn turned around major development issues that they were having in the beginning of their company. LinkedIn worked great at first when it started with a few features and some members. However, the more members they got it was harder to keep up with the features they wanted to use. They were working with an application called Leo. Leo was an older Java application program. Even though Leo was an outdated program after the company had been around for several years they tried to work with it and fix errors that came through. They had done this for several years. They kept trying to fix errors while keeping up with their customers' needs and wants. Eventually, Leo would crash regularly after trying to add more features to it. Once this happened, the company knew that they were going to have to make a substantial change to the application they were working with. They knew that this would take a long time to figure out how to get the application fixed and set up to be able to work with it every day without it crashing. However, the company decided that the best route was to put together a special team that could fix how their program was working. The engineers worked together for several months to get the program running so that it could handle all the new features added and all the customers they were trying to reach.

Some important things to learn from this is that there will be a technical debt that will have to be paid. The company needs to put aside a large amount of time to make sure that they are updating their code, fixing bugs, and adding new features. Also, make sure you have enough space for all added features. Another thing that LinkedIn did was that they used to upgrade Leo once every two weeks. This was not enough updates that needed to be done for the features they were adding and the customers that they were working with. After Operation Inversion they would run upgrades to their program three times a day.