**Assignment 2.1 DevOps**

For this week’s discussion board assignment, read the case study presented on page 71 of the courses textbook and compose a brief summary of the main points the author made and the lessons learned. A structured post has an introduction, a conclusion, and a developed body that flows well – generally at least a few paragraphs.

**The initial post must be in essay format (introduction, body, and conclusion) and a minimum of 250 words. Points will be deducted for not meeting the specified word count requirements.**

LinkedIn was a company started back in 2003 to help people find better job opportunities for their professions through an online website. (Kim, G., Debois, P., Willis, J., Humble, J., & Allspaw, J.**)** LinkedIn was a quick success having one million members by the end of their first year. (Kim, G.) However, with great success also comes problems. Below I’ll go into detail about some of those growing pains that LinkedIn ran into along the way.

By the almost the end of 2015 LinkedIn had over 350 million users whom created tens of thousands of requests on the page per second. (Kim, G) These requests created some issues for the backend system. Leo the homegrown application that helped to run various back in things for the site was only being developed once every two weeks, this helped to cause several issues. (Kim, G) Even though the team started adding memory and CPUs Leo was often down and hard to troubleshoot. So, the LinkedIn team finally decided to part ways with their beloved stateless service Leo. (Kim, G) Then came the InVersion idea this was where LinkedIn stopped all feature development for two months while they repaired their computing environments, and architecture. This was due to LinkedIn’s continued issues with problematic deployments in 2011. (Kim, G) The team then started to use their time to work on the core infrastructure of the site. While working on InVersion the team developed a set of tools which allowed them to develop code and also automated systems that to check the code for bugs all this would help them get features and such out much quicker. (Kim, G)

Inconclusion, all companies big and small will run into some sort of problem its how the company decides to work on fixing those issues that set them apart from one another. The LinkedIn team took their time to “pay their technical debts down”, which stopped the site from crumbling apart. It also gave them the tools they needed to make their jobs easier when deploying and finding and fixing bugs.

Bibliography

Kim, G., Debois, P., Willis, J., Humble, J., & Allspaw, J. (2017). *The DevOps handbook: How to create world-class agility, reliability, and security in technology organizations*. Portland, OR: IT Revolution Press, LLC.