

Julie Sakai

CSD 380

3/30/25

Module 2.2 Assignment

Assignment: Case Study Operation InVersion at LinkedIn (2011)

The case study on Operation InVersion at LinkedIn showcases the importance of addressing technical debt to maintain stability, scalability, and engineering productivity. In 2011, LinkedIn faced challenges because of its outdated monolithic architecture, which was called Leo. The Leo application led the company to pause new feature development and prioritize modernizing its infrastructure temporarily.

The operation InVersion improved the developer's tools, automated bug detection systems, and increased deployment frequency, allowing for upgrades thrice a day.

Previously, their engineers worked late hours, but now they have time to focus on the company's innovation. The updated architecture helped LinkedIn exponentially from 150 to 750 services, enabling greater agility in creating new products.

The lesson learned is to address technical debt early on as it can avoid costly issues and support long-term growth for the company. It is important to have a reliable and secure computing environment to enhance efficiency and promote creativity.

References

Kim, G., Humble, J., Debois, P., & Willis, J. (2021). The DevOps Handbook (2nd ed., pp. 91 - 93). IT Revolution.