Module 2.2 Assignment:

Case Study – Operation InVersion at LinkedIn (2011)

This case study discusses LinkedIn's Operation InVersion in 2011, which was initiated to address technical debt following its successful IPO. The operation involved halting feature development for two months to revamp their computing environments, deployments, and architecture. LinkedIn experienced challenges with its monolithic Java application, Leo, and had to decouple critical services to handle its growing user base. By 2010, the company faced significant issues with Leo, leading to the decision to break it up into more minor services. Operation InVersion was launched to overhaul LinkedIn's infrastructure before continuing feature development. The operation resulted in the creation of new software tools and systems that allowed for faster deployment of new features, leading to more efficient engineering processes. Focusing on paying down technical debt enabled LinkedIn to achieve stability, safety, and continued growth, demonstrating the importance of ongoing maintenance in preventing critical system failures.

# References

Kim, G., Debois, P., Willis, J., & Forsgren, N. (2021). *The DevOps Handbook How to Create World-Class Agility, Reliability, & Security in Technology Organizations 2nd Ed.* Portland: IT Revolution.