



Continuous Integration/Continuous Deployment Proposal

Chekwube Udeogu



INTRODUCTION

In line with our company's decision of increasing efficiency and customer satisfaction, my team has decided to adopt continuous integration and continuous deployment (CI/CD). This document will reveal to you how the adoption of CI/CD will help the company reduce cost, avoid cost, protect and increase revenue.



WHERE DOES CI/CD COME IN?

Shipping out satisfactory features and updates are achieved broadly by merging the code of all developers working on the UdaPeople product and deploying the artifacts. We aim to make this process repeatable, predictable, and with little or no bugs. That is where CI/CD comes in.



WHAT WE CAN GAIN

BENEFITS	VALUES
Reduce downtime from deployment	This will protect revenue
Automation will remove human errors	Cost will be avoided
Quickly revert to last working deployment in case of a failed deployment	This will protect revenue
Less bugs in production	Cost will be avoided
Less time for making features available	This will increase revenue
Less Vulnerability in production	Cost will be avoided
Remove infrastructure wastage	This will reduce cost
Helps avoid bugs from getting merged into the main codebase	Cost will be avoided



CONCLUSION

What I have outlined in this document is a tip of what CI/CD can help us achieve. There is a huge potential for our company to reduce cost and increase revenue if we adopt CI/CD.