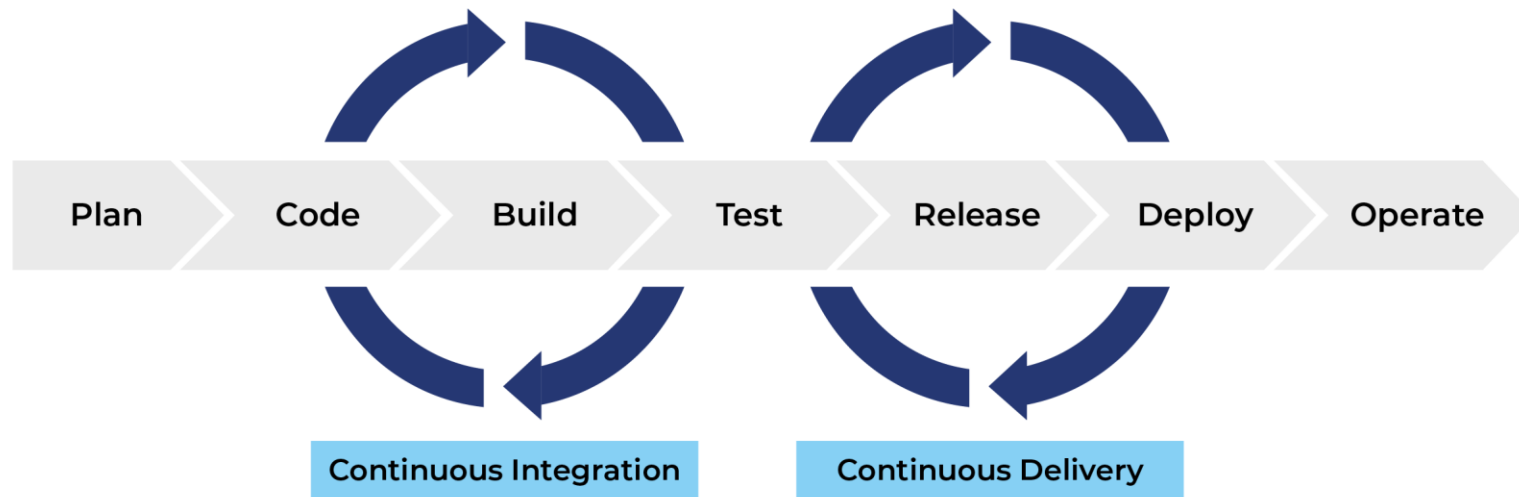# UDAPEOPLE

APP

PROJECT

Entonu Daniel

What is CI/CD

- Using the power of automation, CI/CD is a two-step method that significantly accelerates code development and delivery. CI streamlines developer responsibilities like source code integration and version management, hastening the release of software. Software testing and deployment are automated via CD. Together, CI/CD is a formidable and unparalleled engine for present software development, and it offers businesses countless advantages.

- The "automate everything" mindset is gaining momentum as the need to streamline sprawling delivery ecosystems amplifies. Leveraging the benefits of deployment at the push of a button has transformed the software distribution and delivery paradigm over the last few decades. CI/CD, in unison, automates the flow from design to deployment - offering you better integration, delivery, and accelerated value.

Big Wins From Small Efforts

Business Benefits of CI/CD

◦ All potential bugs can be discovered at the pre-deployment stage on automating the release pipeline. Teams and individuals can take control of the uncertainties when going into production with a pragmatic and visible CI/CD pipeline. You experience value and business flow by delivering products and solutions with all the features that meet quality and deployment specific needs.

◦ Loyal Customer Base:

The on-demand delivery experience that customers insist on leaves little room for errors and bugs. Matching them with the best fulfillment is critical to capturing market share. Implementing CI/CD reduces both lead time and response time, which in turn minimizes release risk and maximizes developer time. A stable operating environment and faster resolution to production requirements enable you to cement customer loyalty and create great experiences.

Other benefits

Cost Deduction

As per one of the recent Forbes Insights surveys, "Three out of four executives agree that the amount of time, money, and resources spent on ongoing maintenance and management—versus new project development or new initiatives—is affecting the overall competitiveness of their organization

CONTINUOUS FEEDBACK

A UNIFIED CI/CD PROCESS, OPERATING AS PART OF A DEVOPS PLATFORM, GIVES EVERYONE ON THE TEAM – INCLUDING BUSINESS STAKEHOLDERS – A WAY TO SEE WHAT'S HAPPENING, WHERE IT'S HAPPENING, AND WHAT MIGHT BE GOING WRONG. THIS SOUNDS LIKE A SIMPLE THING, BUT IN REALITY, A SINGLE WINDOW INTO SOFTWARE DEVELOPMENT IS ALMOST REVOLUTIONARY.

DELIVER FASTER WITH AN ACCELERATED RELEASE RATE

A UNIFIED CI/CD PIPELINE IS LIKE A TURBO ENGINE WHEN IT COMES TO BOOSTING THE RATE OF SOFTWARE RELEASES. THE BUSINESS BOTTOM LINE: EXPENSIVE DEVELOPER RESOURCES AREN'T SITTING IDLE WHEN A SUCCESSFUL CI/CD PIPELINE IS IN PLAY

Conclusion

◦ CI/CD will ultimately become imperative for your business - the benefits are simply too many. Migrating from the legacy software release cycles to CI/CD won't just accelerate the time-to-market, but also result in a productive and satisfied development team.