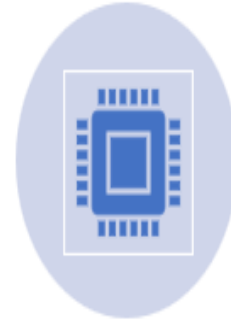# CI/CD FOR UdaPeople PROJECT

EVELYN ANYEBE

OUR MAJOR CHALLENGES

Poor software quality due to lack of time for software quality assurance

Manual release and management of deployment server distracting developers from focusing on development.

Only a few experts in the team can perform deployment and it takes a very long time for deployment to be done after informing them that a new release has been done.

Feedback on new features are received late and this prevents us from creating flexible solutions according to customer feedback

WHAT IS CI/CD

CI-CD is a common term used by developers and software engineering teams to describe the practices of continuous integration, continuous deployment, and continuous delivery.

Continuous integration is the practice of merging all developers working copies to shared mainline several times a day.

Continuous deployment is a software engineering approach in which updates and value are delivered frequently through automated deployments.

Continuous delivery is an engineering practice in which engineering teams produce and release value in short cycles.

BENEFITS OF CI/CD

Improve customer satisfaction

Gain customer trust

Makes you confident

Makes the team more productive

Gives plenty of room for improvement

COST AND REVENUE BENEFITS OF CI/CD

More production leading to more revenue

Save costs with automated infrastructure creation, scaling and clean up

New customers, contracts and more revenue