The Benefits of CI/CD

UdaPeople.

Why CI/CD?

01 **Ensure superior code quality and failing fast**

02 **Automation reduces the cost**

03 **Simplified rollback**

04 **Fault isolation**

05 **Accelerated release rate**

But What is CI/CD?

CI/CD stands for continuous integration and continuous delivery/continuous deployment, CI/CD is a method or the process to frequently deliver apps to customers by introducing automation into every stage of app development.

1- Ensure superior code quality and failing fast

CI/CD pipelines offer test automation, developers can know about code problems nearly in real time. That concept of "failing fast" means teams aren't wasting time or resources with buggy code. Less bugs = Money is saved and also time.

2- Automation reduces the cost

Anytime a human does not have to intervene in the software development process, time, and thus money, are saved.

3- Simplified rollback

one of the best feature of CI/CD is fail fast and recover even faster It's a simple process to push code into production and, if there are issues, simply roll it back. The ability to easily rollback code saves time and resources and leads to faster fixes of problem code.
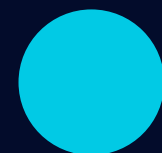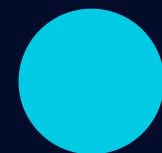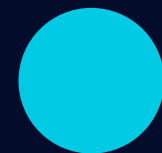
4- Fault isolation

Before CI/CD development teams would know there was an issue with code, but would struggle to know exactly where the problem was happening.
Automated testing has changed that.Developers now can easily identify and then isolate code faults, dramatically improving productivity and Reduce Cost.

5- accelerated release rate

CI/CD shortens the time taken to detect and correct newly introduced bugs.
The faster code is released, the more new code can be developed, and then released and this Reduce time to market which means Increase Revenue.

THANK YOU!