Continuous Integration And Deployment (CI/CD)

Its benefits and how it serves cost

What's CI/CD?

- CI is an automated practice of developers shipping software application source code through a single source of truth (repository) several times a day.
- CD - The automated process of building, testing, and releasing new software features in short circles.

Benefits

➜ Faster releases - Developers no longer need to wait weeks/months to complete a release circle. This helps companies ship new features faster.

➜ Continuous testing - New code is tested extensively by an impartial machine before being integrated into existing code. This should drastically reduce the number of bugs that end up in production.

➜ Easier rollback: In in event of bugs in production, it is easier to immediately roll back to the last most functioning version of the product.

Cons

Engineering Time

To setup a CI/CD pipeline may take a sprint of two following the blue-green approach. However, the immediate benefits will be enormous.