CI/CD is important

UdaPeople:
A comprehensive presentation

What is CI/CD?

➔ Continuous Integration/Continuous Delivery.

➔ Continuous Integration is the process of integrating code changes frequently - ideally several times a day - to a shared repository.

➔ Continuous Delivery is the process of getting changes of all types, can be database changes, tests and code changes, into production, or into the hands of users, safely and quickly in a sustainable way.

Why CI/CD?

➔ Having a CI/CD pipeline in place allows us to deliver software faster and with higher quality.

➔ Speeds up the development process, testing and deployment, so teams can focus on what matters most: building robust software.

➔ No more manual deployments, no more waiting for a release window, no more last minute panic.

Business benefits of CI/CD

➔ Moving cloud infrastructure to a code-based approach, makes it easier to manage and maintain when handing over to other team members; hence reducing the cost of having issues from new developers.

➔ CI/CD allows the infrastructure to be versioned and tracked, which makes it easier to troubleshoot issues and roll back to a previous version if something goes wrong. With next to zero down time. So an increase of revenue with less downtime!

➔ Avoiding additional cost by having automated quality testing.
➔ Less Infrastructure cost by removing old, unused resources.

➔ Less time spent on manual tasks, so faster work and less time to ship to the market, increase of revenue!

References

- https://tricloud.dk/services/consulting/devops/

- https://www.atlassian.com/continuous-delivery/principles/continuous-integration-vs-delivery-vs-deployment