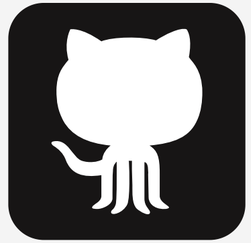
Continuous Integration/Delivery

Explaining the benefits of a CI/CD Pipeline

Continuous Integration (CI)

Enforcement of integrating code into a shared repository to surface errors early on.



COMMIT CHANGES

Continuous Delivery (CD)

Ensures that every good build is potentially ready for production release.

RUN TESTS

CI/CD Pipeline

The process through which we can deliver a single unit of production-ready software.

DELIVER/DEPLOY

Reduce Costs

- The CI/CD Pipeline focuses resources on things that matter
- Automating processes frees up resources for product development and reduces the chance for errors
- Integrating automated tests improves team responsiveness

Improve Reliability

- Accomplishing a robust CI/CD Pipeline ensures: daily commits, automated testing, and fast repairs
- A proper CI/CD Pipeline enables fast bug fixes and feature development
- CI/CD Pipelines remove the complexity of integrated software

Make Your Team Attractive

- A proper CI/CD Pipeline ensures daily builds/tests which indicates proper source control processes (re: Joel Test)
- Enforcing code standards with a CI/CD Pipeline meets 25% of the Joel Test
- Having a proper CI/CD Pipeline indicates a high-functioning team to potential recruits!