DEPLOY SUPER POWERS

WHY SHOULD WE BUILD A CI/CD STRATEGY

WHAT IS CI AND CD?

- Coninuous Integration (CI) is a set of practices to integrate a developer's work into the main source code to be deployed later. It consists of an automated process to build, test and analyze the code before merging it into the source code. That way developers can focus on writing codes and discussing best practices and use cases in PRs instead of trying to manually build and test the code before approving it for merge.

- Continuous Deployment (CD) is a set of practices to automate the deployment process. It handles the infrastructure creation, configuration, and even quick smoke tests before promoting a new code to production.

WHY SHOULD WE IMPLEMENT CI/CD PIPELINE

- The number of bugs we produce after a new release is much bigger than it should. With a well-structured pipeline we will sure reduce the number of bugs, which improves the user experience and helps to retain our users.

- The time spent by each developer catching small bugs in other developer's code is huge. Automating this would allow for our developers to focus on what really matters: deliver value.

- The less code we release in a single release, the better. With an automated deploy process we could reach dozens of small deploys a week. This is more value being delivered at a constant pace.

- But what if a deploy fails? We got that covered also. We can easily roll back to previous stable version of the software.

- All that infratructure that we are not using anymore but it is still being charged by AWS, that can also be cleaned up in an automated deploy process.