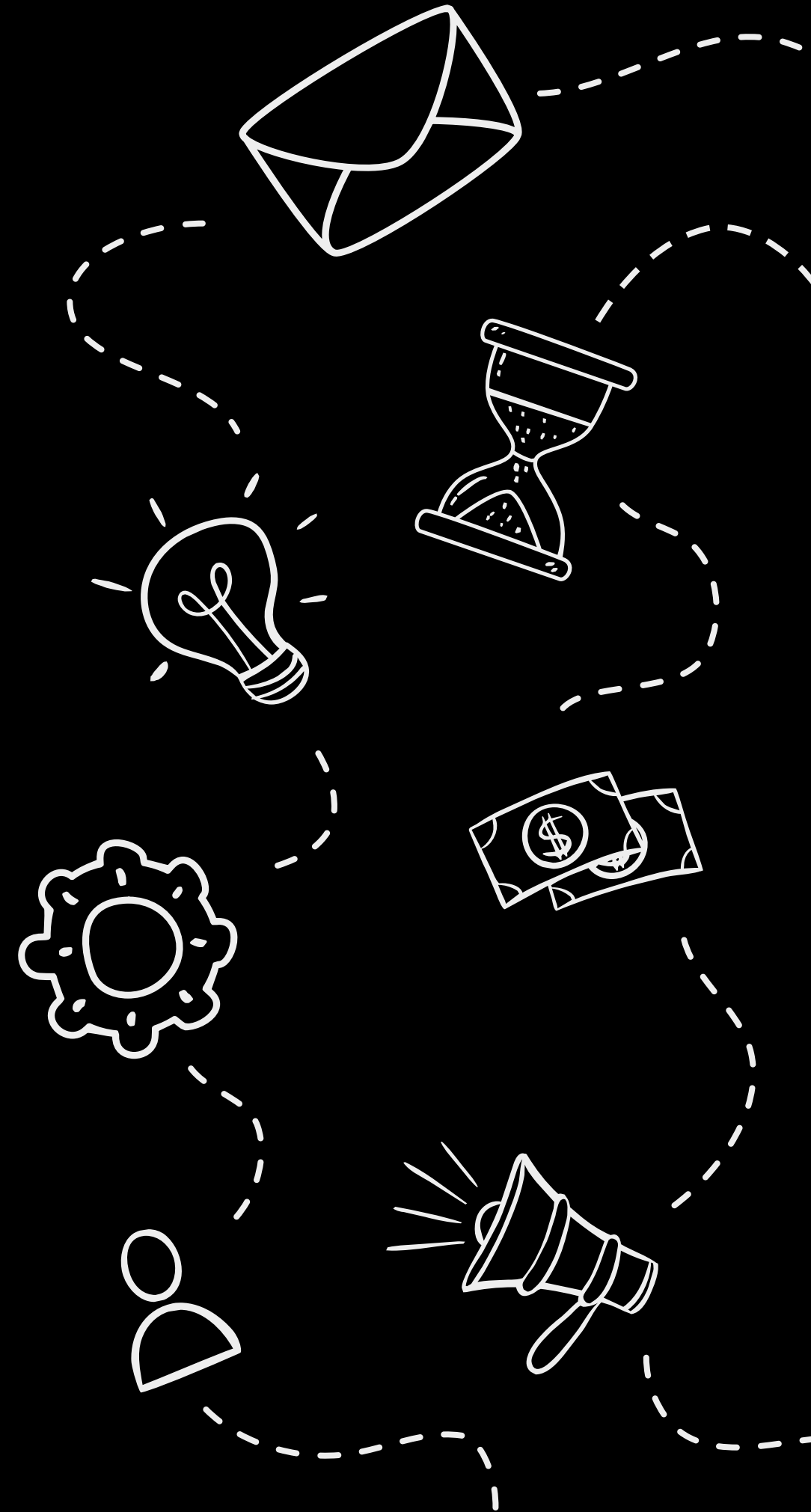


BENEFITS of CI/CD

**UdaPeople**



# WHAT IS CI/CD ?



## Continuous Integration

The practice of merging all developers' working copies to a shared mainline several times a day.

## Continuous Deployment

A software engineering approach in which the value is delivered frequently through automated deployments.



# WHY CI/CD IS IMPORTANT ?



## Accelerated time to value

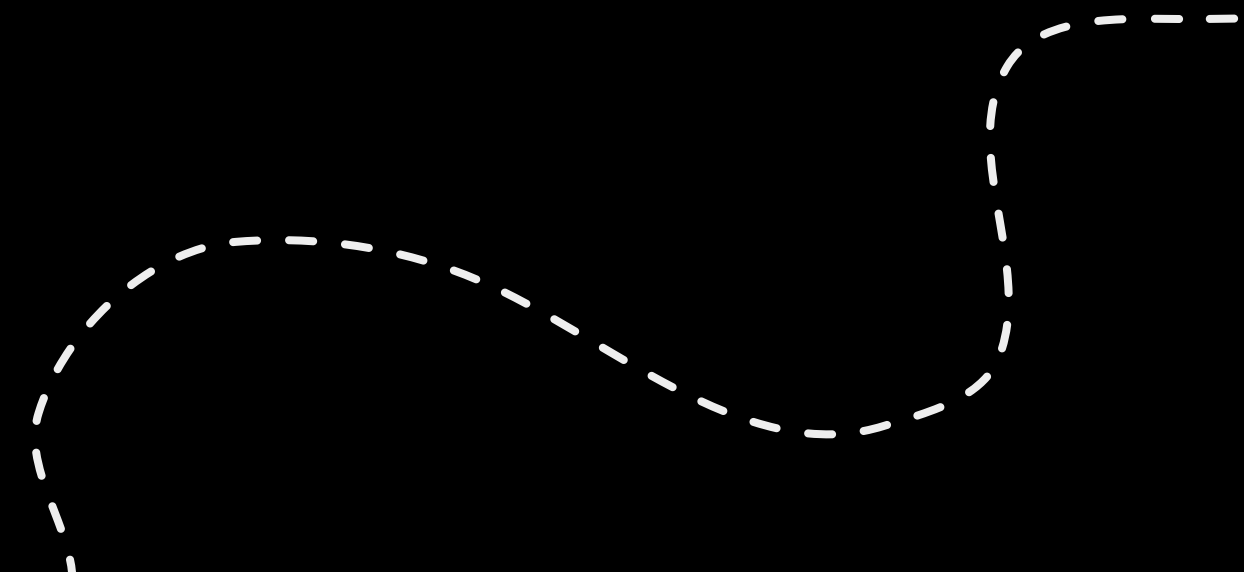
When you can deploy anytime, you can bring products and new features to market faster. Your development costs are lower, and a faster turnaround frees your team for other work.

## Hit dates more reliably

Removing deployment bottlenecks and making deployments predictable can remove a lot of the uncertainty around hitting key dates. Breaking work into smaller, manageable bites means it's easier to complete each stage on time and track progress.

## Less fire fighting

Testing code more often, in smaller batches, and earlier in the development cycle can seriously cut down on fire drills. This results in a smoother development cycle and less team stress.



# WHY CI/CD IS IMPORTANT ?



## Reduce burnout

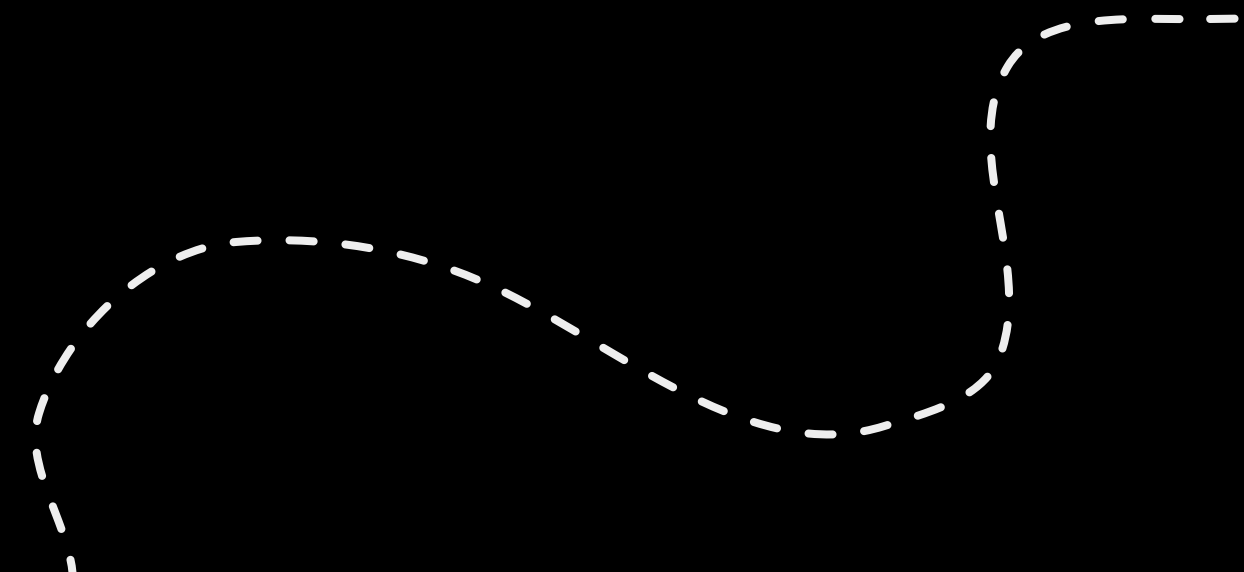
Research shows that continuous delivery measurably reduces deployment pain and team burnout. Developers experience less frustration and strain when working with CI/-CD processes.

## Less context switching

Getting real-time feedback on the code developers commit makes it easier to work on one thing at a time and minimize cognitive load. By working with small sections of code that are automatically tested, developers can debug code quickly while their minds are still fresh from programming.

## Recover faster

CI/CD makes it easier to fix issues and recover from incidents (MTTR). Continuous deployment practices mean frequent small software updates so when bugs appear, it's easier to pin them down.





*Thank  
you!*

<https://monzo.com/blog/2022/05/16/how-we-deploy-to-production-over-100-times-a-day>