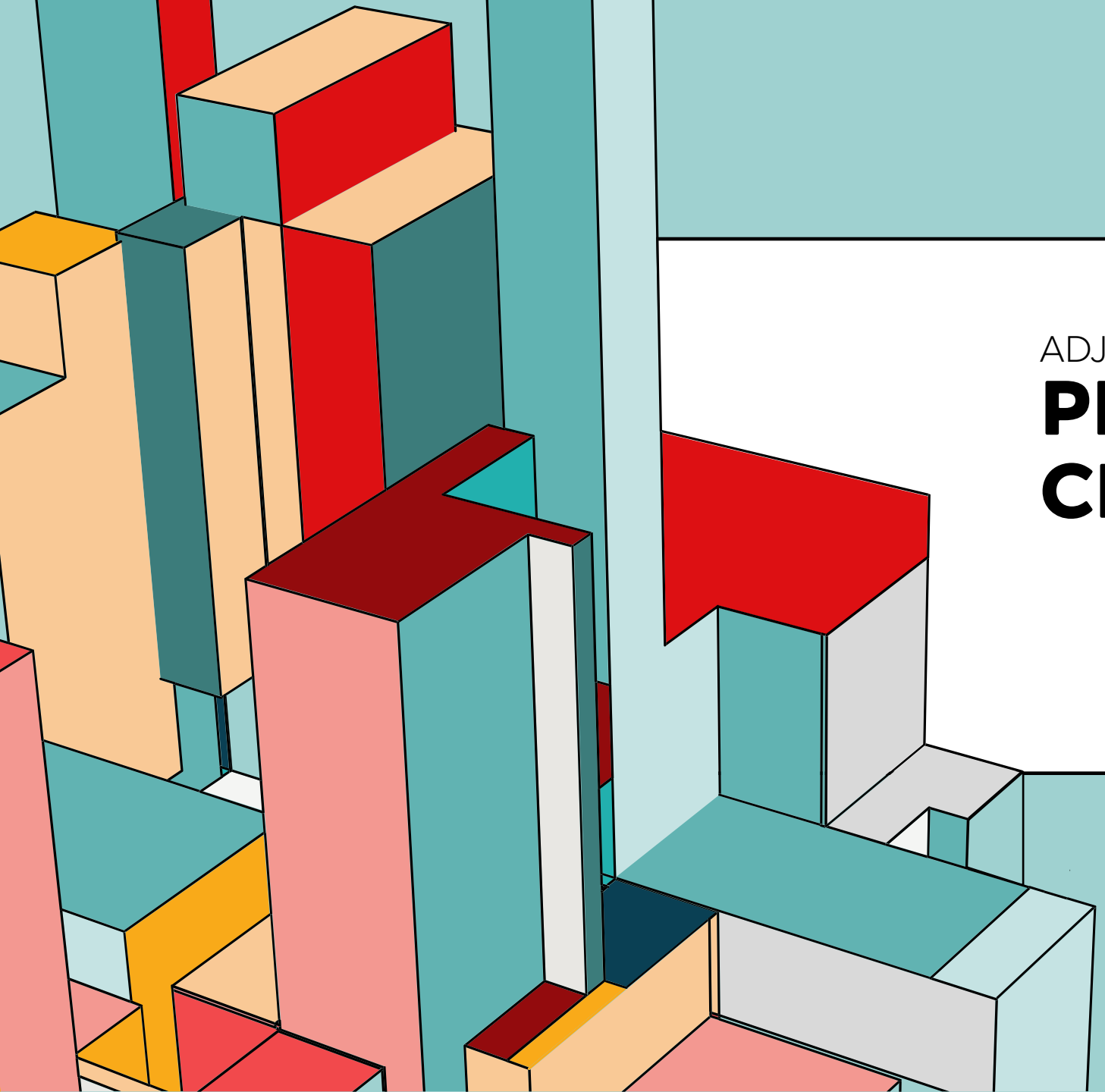
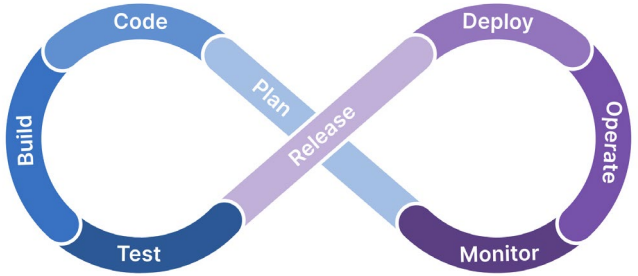


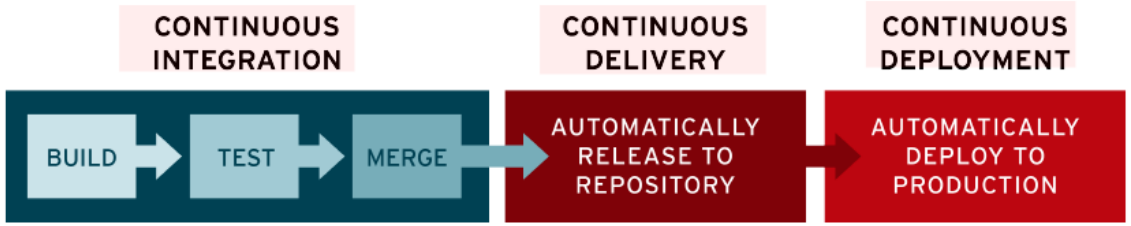
ADJASSEM Yao-fiawomo Justin

# PRESENTATION CI/CD



# WHAT IS A CI/CD PIPELINE?

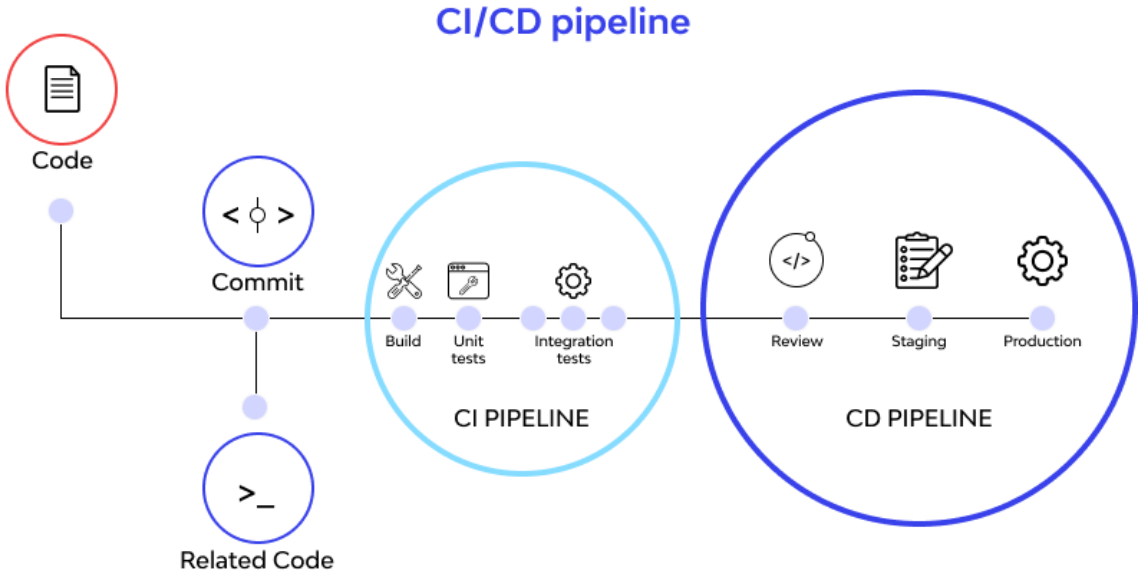
CI/CD, or **Continuous Integration** and **Continuous Deployment**, is a software development practice that helps teams to quickly and efficiently deliver high-quality software to users. It involves **automating the process of building**, **testing**, and **deploying** code changes, which helps to catch and fix errors early in the development process, **reducing the risk of costly** and **time-consuming bugs** being discovered later on.




**The goal** of a CI/CD pipeline is to **automate and streamline** the software development process, and to improve the quality and **speed of software delivery.**

# WHY CI/CD?

CI/CD enables organizations to swiftly and effectively release software. It facilitates a streamlined process for rapidly bringing products to market, consistently deploying code into production, and consistently providing new features and bug fixes through the most efficient means.



# WHY CI/CD IS IMPORTANT

## THE BENEFITS

It helps organizations to improve the speed and quality of software delivery, by automating many of the repetitive tasks involved in building, testing, and deploying code, CI/CD allows development teams to focus on writing and improving code, rather than on manual and error-prone processes. Additionally, CI/CD helps to ensure that new features and bug fixes are delivered to customers as quickly and seamlessly as possible, improving the overall user experience and increasing the chances of success for the organization.

### Customer satisfaction (Increase Revenue)

With the help of continuous testing, the software can be released faster with a high level of quality, which can lead to increased customer satisfaction and revenue.

### Reduce Costs and Boost Profits

By catching bugs early, organizations can avoid costly and time-consuming rollbacks and rework, which can boost efficiency and reduce costs.

# WHY CI/CD IS IMPORTANT

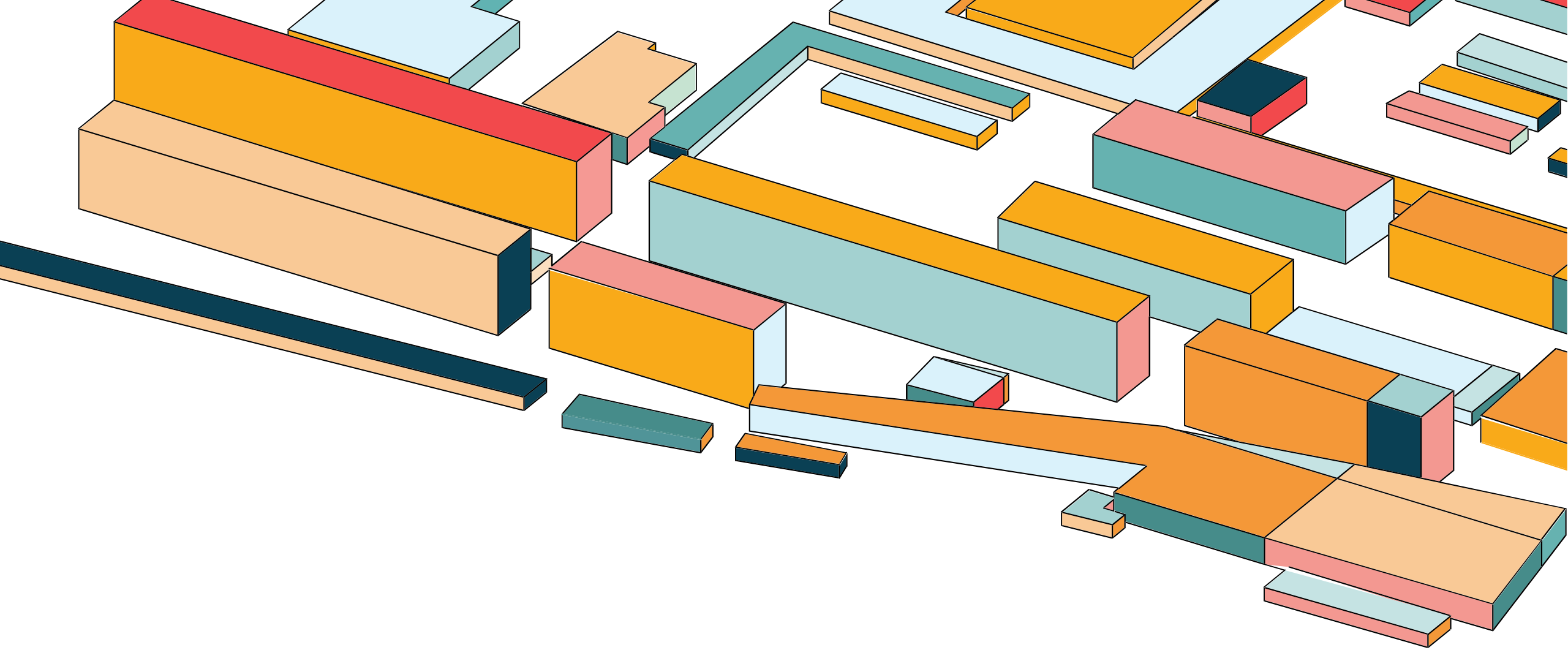
## THE BENEFITS

### Increase Productivity

automating repetitive tasks, allowing development teams to focus on high-value activities such as coding and testing.

### Accelerate Time To Market

CI/CD shortens the time it takes to fix issues by allowing for smaller and faster identification of bugs. The rate at which new releases are delivered increases significantly, thus reducing the time it takes for code to go from development to production.



# THANK YOU