

CI/CD

Udapeople Project

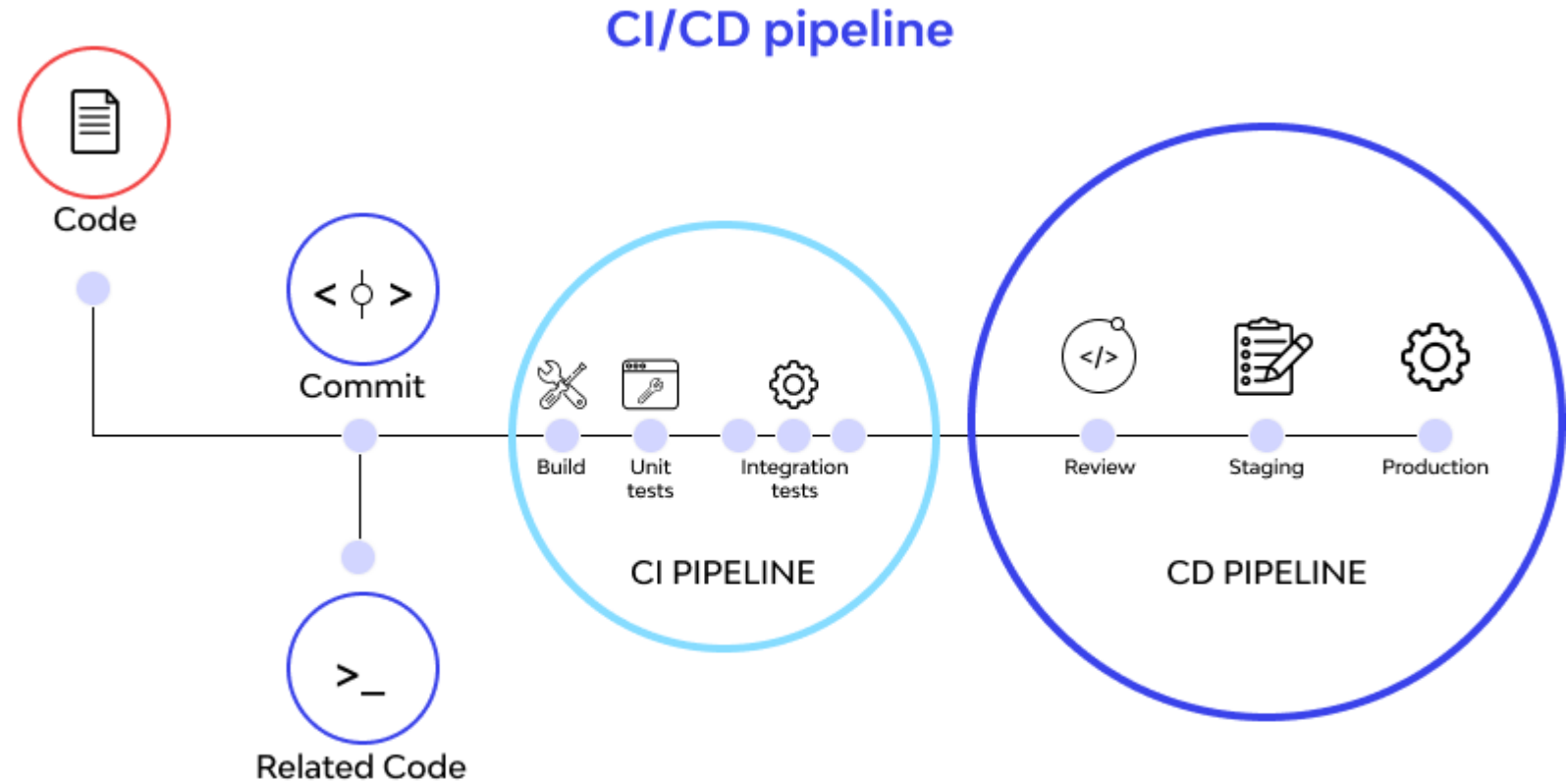
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CONTENTS

1. OVERVIEW
2. THE IMPORTANT OF CI/CD

1. OVERVIEW

- A continuous integration (CI) and continuous deployment (CD) pipeline is a series of steps that must be performed in order to deliver a new version of software.
- CI/CD pipelines are a practice focused on improving software delivery throughout the software development life cycle via automation.



2. THE IMPORTANCE OF CI/CD



Faster

Speeds up software delivery and makes the process more efficient. With the automation of most testing and bug fixing, developers can increasingly focus on writing code and improving the quality of the application.



Earlier bug detection

Developers can identify bugs and other problems as they arise — with the majority detected in early stages — eliminating potentially devastating surprises during deployment.



Greater visibility

A CI/CD pipeline allows development teams to analyze builds, as well as test results and coding errors with great detail. This gives them a better understanding of what build changes led to problems and inefficiencies and prepares them to avoid these issues in the future.



Faster feedback

CI/CD sets up a constant user feedback loop that developers can use to their advantage to experiment with features and improve the app experience.



Reduced costs

The automated approach of CI/CD reduces the number of errors at every stage of the development process and simplifies the repair of errors that do occur. Developers no longer have to spend time on mundane, manual tasks, which allows them to focus on improving code quality and making app improvements that boost ROI.

THANKS FOR YOUR ATTENTION!