Summary

❖ Overview of CI/CD -Yue

❖ Why CI/CD important? -Prag CI/CD for microservice

Overview of CI/CD

- Continuous Integration - regularly build, test, and merge code changes into main branch.

- Continuous Deployment - automatically test and release changes from the repo to production.

Overview CI/CD

- CI is generally a standard across all software projects.

- CD on the other hand is not. Example: Aerospace Industries, Healthcare, etc

Why is CI/CD useful?

- Release software with less risks
- CI/CD takes care of the automated testing, deployment and rollbacks.
- Can improve developer productivity.
- More automation, less context switching, etc
- Ship features and fix bugs faster.
- Ability to push out small changes and iterate on them continually.

CI/CD for microservices

- Requirements

- Highly cohesive and loosely coupled services and teams
   Teams and engineers that can make key-decisions
   independentl