CI/CD Benefits

UDAPEOPLE PROPOSAL

Value FrameWork Focus

- Increase Revenue
- Protect Revenue
- Reduce Cost
- Avoid Cost

CI/CD Benefits

- Catch Compile Errors After Merge
- Catch Unit Test Failures
- Detect Security Vulnerabilities
- Automate Infrastructure Creation
- Automate Infrastructure Cleanup
- Faster and More Frequent Production Deployments
- Deploy to Production Without Manual Checks
- Automated Smoke Tests
- Automated Rollback Triggered by Job Failure

Apply Value FrameWork on CI/CD

▶ Catch Compile Errors After Merge:

  ▶ Technical: CI/CD is able to catch compile errors after merge

  ▶ Translation: This ability could help us reducing coasts, because there will be less developer time on issue from new developer code

▶ Catch Unit Test Failures:

  ▶ Technical: CI/CD is able to catch unit test failures

  ▶ Translation: This ability could help us avoiding coasts, because there will be less bugs on production and less time on testing

Apply Value FrameWork on CI/CD

- Detect Security Vulnerabilities:
  - Technical: CI/CD is able to detect security vulnerabilities
  - Translation: This ability could help us avoiding coasts, because we can prevent embarrassing or costly security holes

- Automate Infrastructure Creation:
  - Technical: CI/CD is able to automate infrastructure creation
  - Translation: This ability could help us avoiding coasts, because there will be less human error, Faster deployments

Apply Value FrameWork on CI/CD

- Automate Infrastructure Cleanup:

  - **Technical:** CI/CD is able to automate infrastructure cleanup

  - **Translation:** This ability could help us reducing coasts, because there will be Less infrastructure costs from unused resources

- Faster and More Frequent Production Deployments:

  - **Technical:** CI/CD is able to have faster and more frequent production deployments

  - **Translation:** This ability could help us increasing revenue, because there will be a new value-generating features released more quickly

Apply Value FrameWork on CI/CD

► Deploy to Production Without Manual Checks:

  ► Technical: CI/CD is able to deploy to production without manual checks

  ► Translation: This ability could help us increasing revenue, because there will be a less time to market

► Automated Smoke Tests:

  ► Technical: CI/CD is able to automated smoke tests

  ► Translation: This ability could help us protecting revenue, because there will be reduction in downtime from a deploy-related crash or major bug

Apply Value FrameWork on CI/CD

- Automated Rollback Triggered by Job Failure:
  - **Technical:** CI/CD is able to automated rollback triggered by job failure
  - **Translation:** This ability could help us protecting revenue, because there will be a quick undo to return production to working state