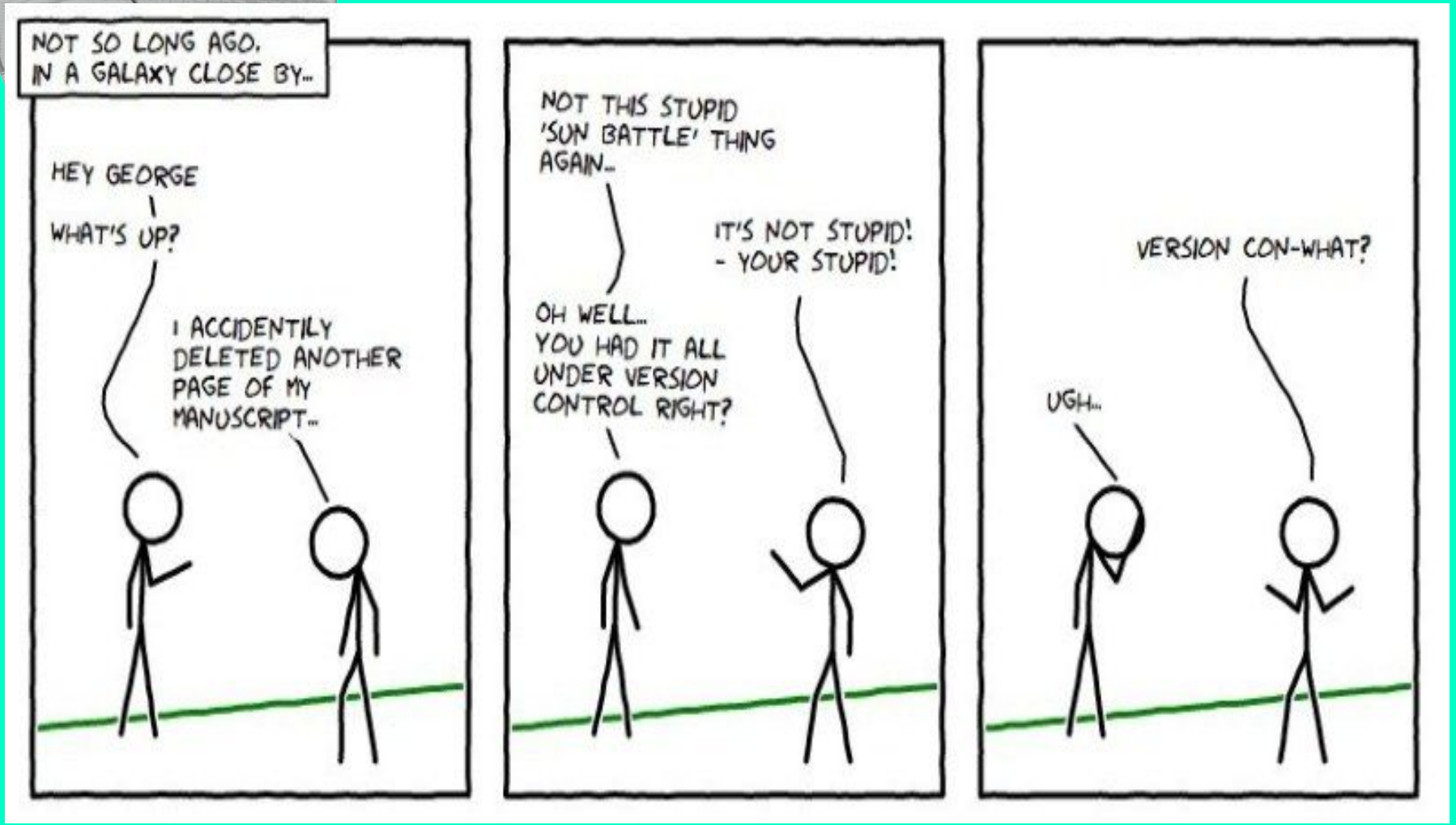
Git-GitHub Workflow

Quick Talk

Chaitanya Yadav


NOT SO LONG AGO. IN A GALAXY CLOSE BY...
HEY GEORGE
WHAT'S UP?
I ACCIDENTILY DELETED ANOTHER PAGE OF MY MANUSCRIPT...
NOT THIS STUPID 'SUN BATTLE' THING AGAIN...
IT'S NOT STUPID! - YOUR STUPID!
OH WELL... YOU HAD IT ALL UNDER VERSION CONTROL RIGHT?
VERSION CON-WHAT?
UGH...

Git + GitHub: A Better workflow

Git

- Open Source
- Distributed Version Control

GitHub

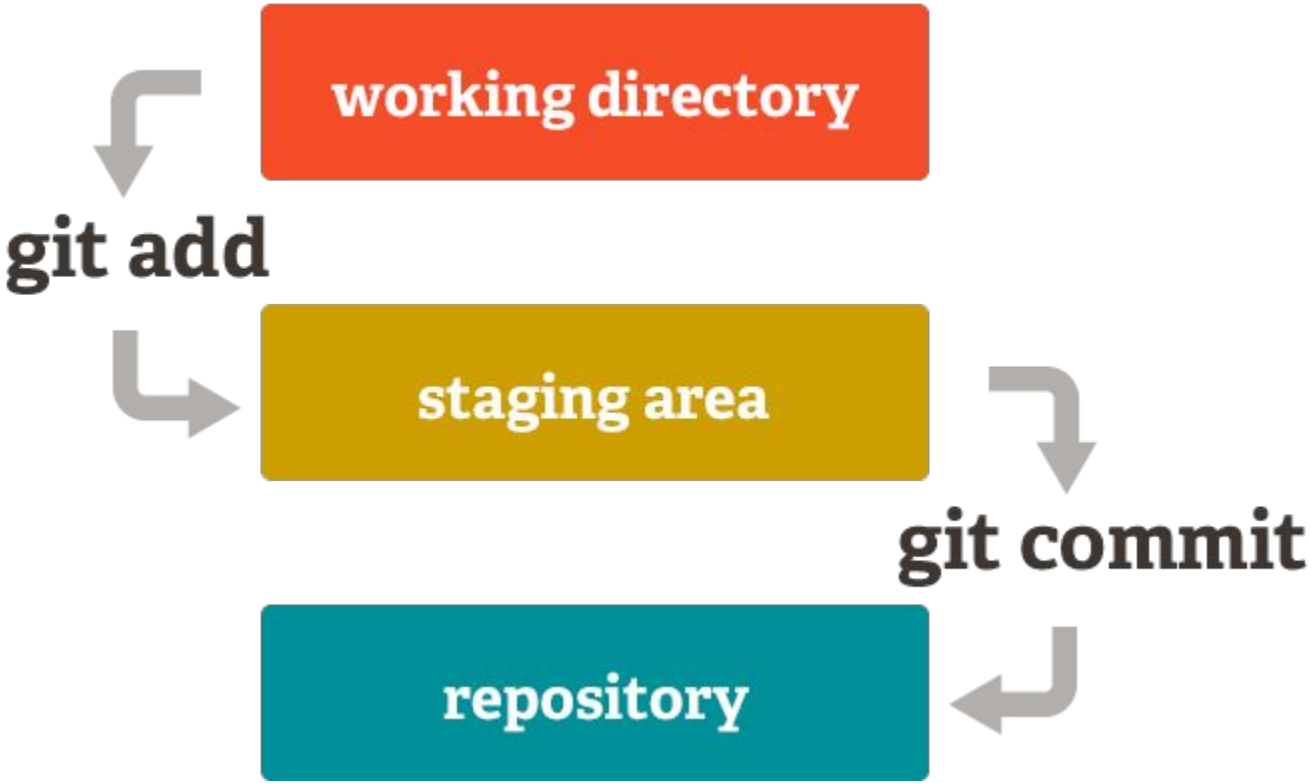
- Git Repository Hosting Service
- Hub of millions of cool projects <3
- Control & COllaboration Tool

Installation & Setup

- https://git-scm.com/book/en/v2/Getting-Started-Installing-Git
- https://git-scm.com/download/win

- git config --global user.email "you@example.com"
- git config --global user.name "Your Name"

Git Worksflow



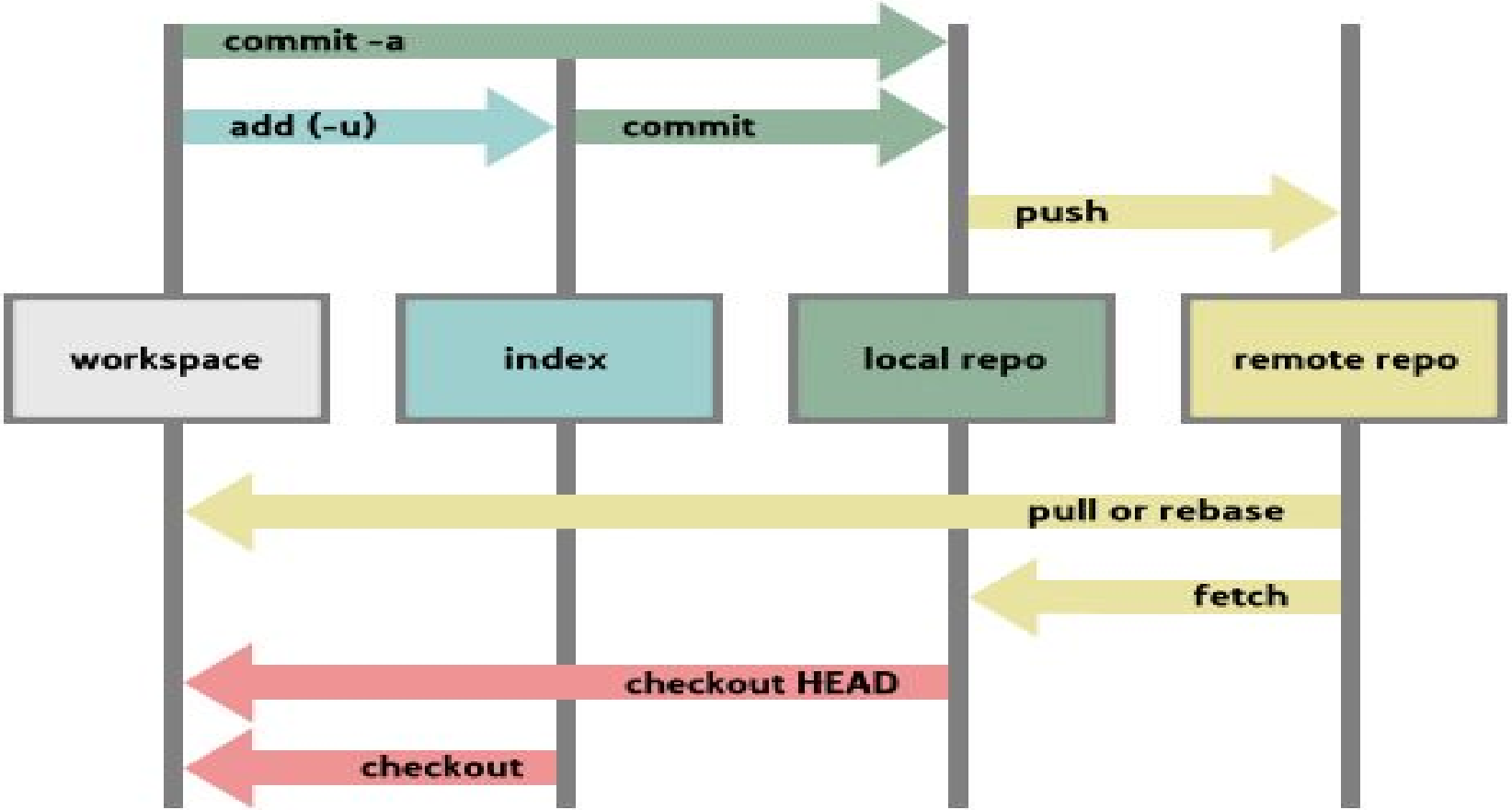
Local Repo

- First make a folder in your computer
  - Initialize git
    - git init
- Add a File to the Folder
  - git status
  - git add <fileName>
  - it commit -m “<commit Message>”

Log & Diff

- Show me the logs git
  - git log
- Show me the difference git
  - git diff

Git Workflow



Git Ignore

- Create a file called .gitignore
  - Write the file names that should be ignored by git
  - Commit the file

GitHub

Fork and Clone

- Fork a Repository
  - Browse to a desired repository on GitHub
  - Click on the fork button at the top
- Clone a Repo
  - git clone <repo url>

Pull

- git pull https://github.com/cosai/test
- git remote add origin https://github.com/cosai/test
- Make Changes
- git commit -am <Commit Message>
- git push origin master

Go back to

- An easy way to bring last commit to staging area:
  - git reset --soft HEAD~1
- Revert last commit
  - git reset --hard HEAD~1(Danger!)

Thank You!