

Wisdoms learnt when contributing to Apache Airflow

An Outreachy intern's story in contributing to Apache Airflow



Who am I?

- Self-taught programmer
- Software Engineer with 7+ years of experience in building backend systems
- Outreachy Intern for Apache
 Airflow Dec 2021 Cohort
- Active Open Source Contributor to Apache Airflow





People who made this talk possible

Outreachy Organisers

My Mentors:

- Jarek Potiuk
- Elad Kalif
- Nasser Kaze

My Cointerns:

- Edith Puclla
- Melodie Ezeanie

My first step in Opensource









Few weeks later ..









The new beginning



Rewriting Breeze from BASH to Python

- Breeze Easy to use dev tool for development and testing environment
- Consistent and Common development environment so that it's easy to replicate the issues in CI pipelines
- Project involves migrating the code from bash script to Python script

CLEAR COMMUNICATION IN WRITTEN FORM IS VERY POWERFUL

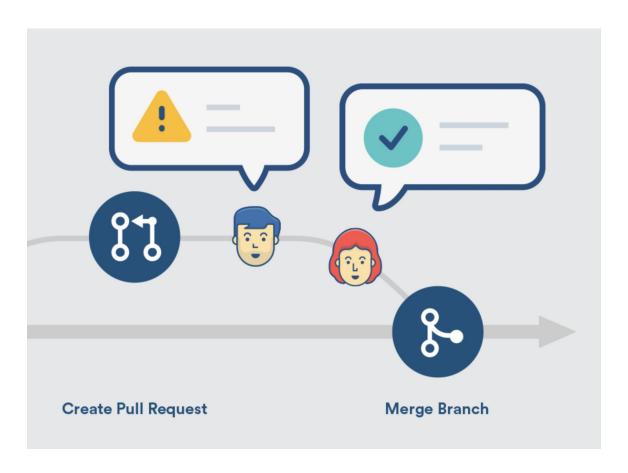
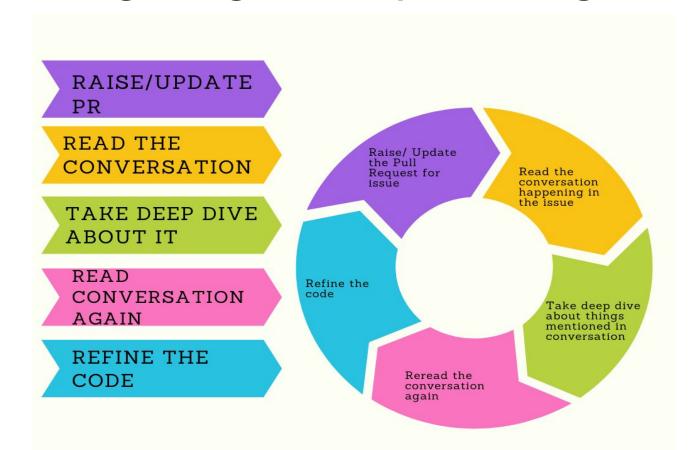
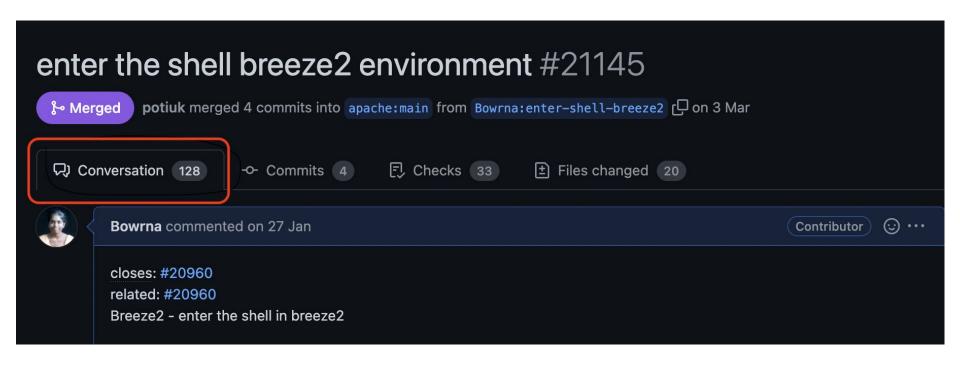


Image from Atlassian

Process in getting Pull request merged



Example Pull Request

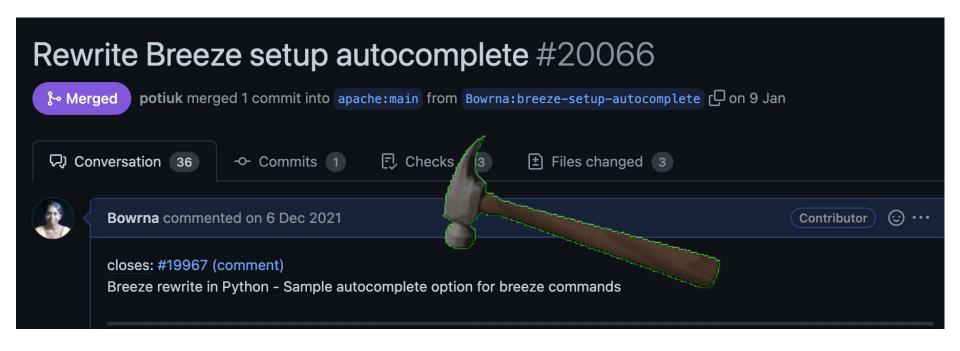


What I learnt from writing comments in PR

- Writing not only helps to exchange thoughts but also helps to generate new ones
- Writing makes thought process clearer
- Writing comments paved path to write blog posts.
- You can check my blog posts in https://bowrna.hashnode.dev/

CODE IS NOT AN ASSET AND DON'T WORRY ABOUT THROWING IT AWAY

Whack the code



Code is not an asset

Initial Thoughts

Maybe I should have figured out this solution earlier

Realisation

I wouldn't have figured out this easy solution if I haven't worked on the issue for 3 days

Wisdom

The whole project that I was working on is scraping the old code and rewriting again

DONT FEEL SHY ABOUT ASKING QUESTIONS

https://dontasktoask.com/

The solution is not to ask to ask, but just to ask. Someone who is idling on the channel and only every now and then glances what's going on is unlikely to answer to your "asking to ask" question, but your actual problem description may pique their interest and get them to answer.

So, to summarize, don't ask "Any Java experts around?", but rather ask "How do I do [problem] with Java and [other relevant info]?"

About GIT REBASE

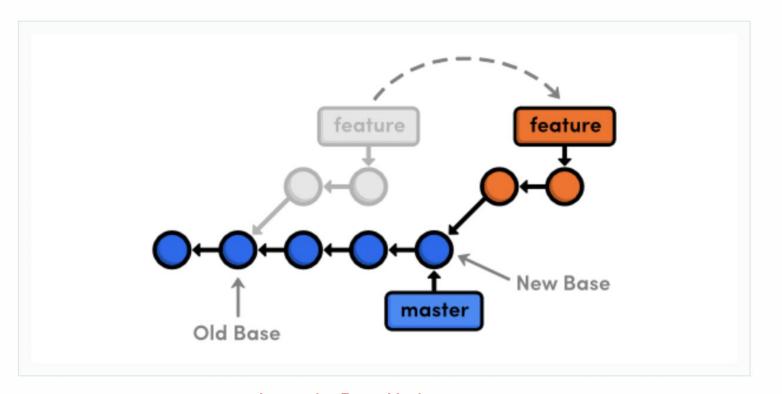


Image by Ryan Hodson

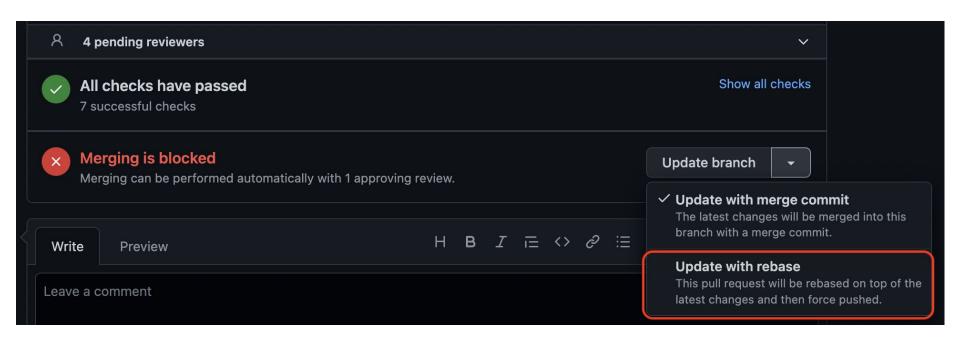
Revised CONTRIBUTING.rst in Apache Airflow

How to rebase PR

A lot of people are unfamiliar with the rebase workflow in Git, but we think it is an excellent workflow, providing a better alternative to the merge workflow. We've therefore written a short guide for those who would like to learn it.

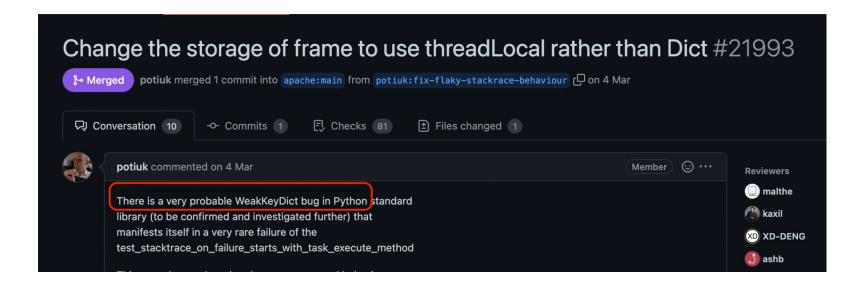
As of February 2022, GitHub introduced the capability of "Update with Rebase" which make it easy to perform rebase straight in the GitHub UI, so in cases when there are no conflicts, rebasing to latest version of main can be done very easily following the instructions in the GitHub blog

Rebasing branch in a button click

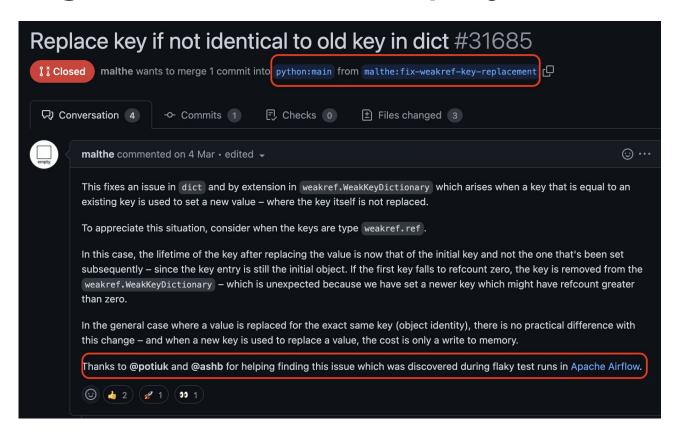




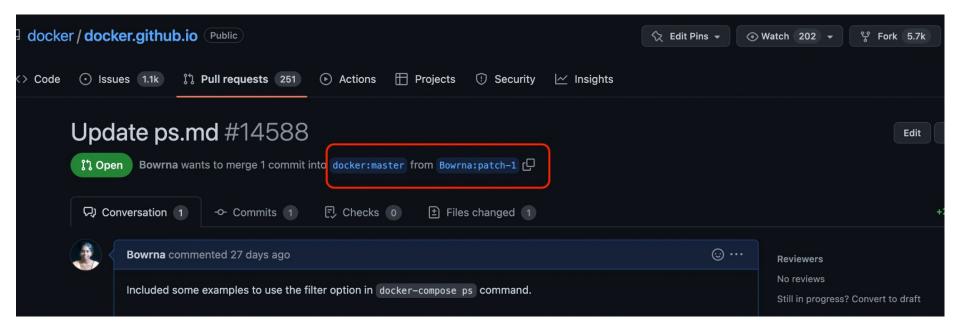
On finding issues in another project



On fixing issues in another project



On contributing to docker documentation



TRIVIAL THINGS BECAME NO MORE TRIVIAL TO ME

Don't overlook

- Even tiny details are important
- Simple colour coding of messages that is printed for logging purpose is vital
- Little details makes the experience better and saves lot of time

Adding Accessibility

sathishkannan@Sathishs-MacBook-Air airflow % breeze config --no-colour Disable Colour

Current configuration:

* Python: 3.7* Backend: sqlite

* Postgres version: 10 * MySQL version: 5.7

* MsSQL version: 2017-latest

* ASCIIART: enabled * Cheatsheet: enabled

* Colour: disabled

sathishkannan@Sathishs-MacBook-Air airflow % breeze config --colour Enable Colour

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Thank you!

Contact me:

Github: https://github.com/Bowrna

My blog: https://bowrna.hashnode.dev/

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LinkedIn: https://www.linkedin.com/in/bowrna/

