

# What is a Python Core Developer?

@mariatta



Hi! 

Who are you?



# You are ...



a user of Python



a member of the community

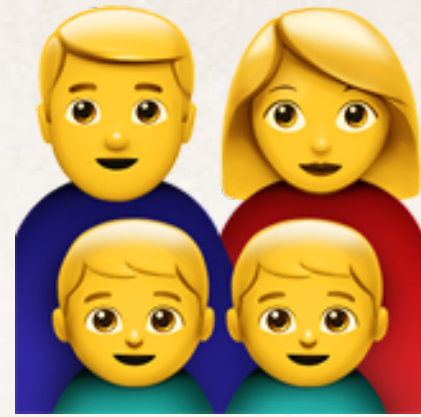


open source contributors



# Who am I?





@mariatta

*pyladies*



  
zapier

Platform Engineer



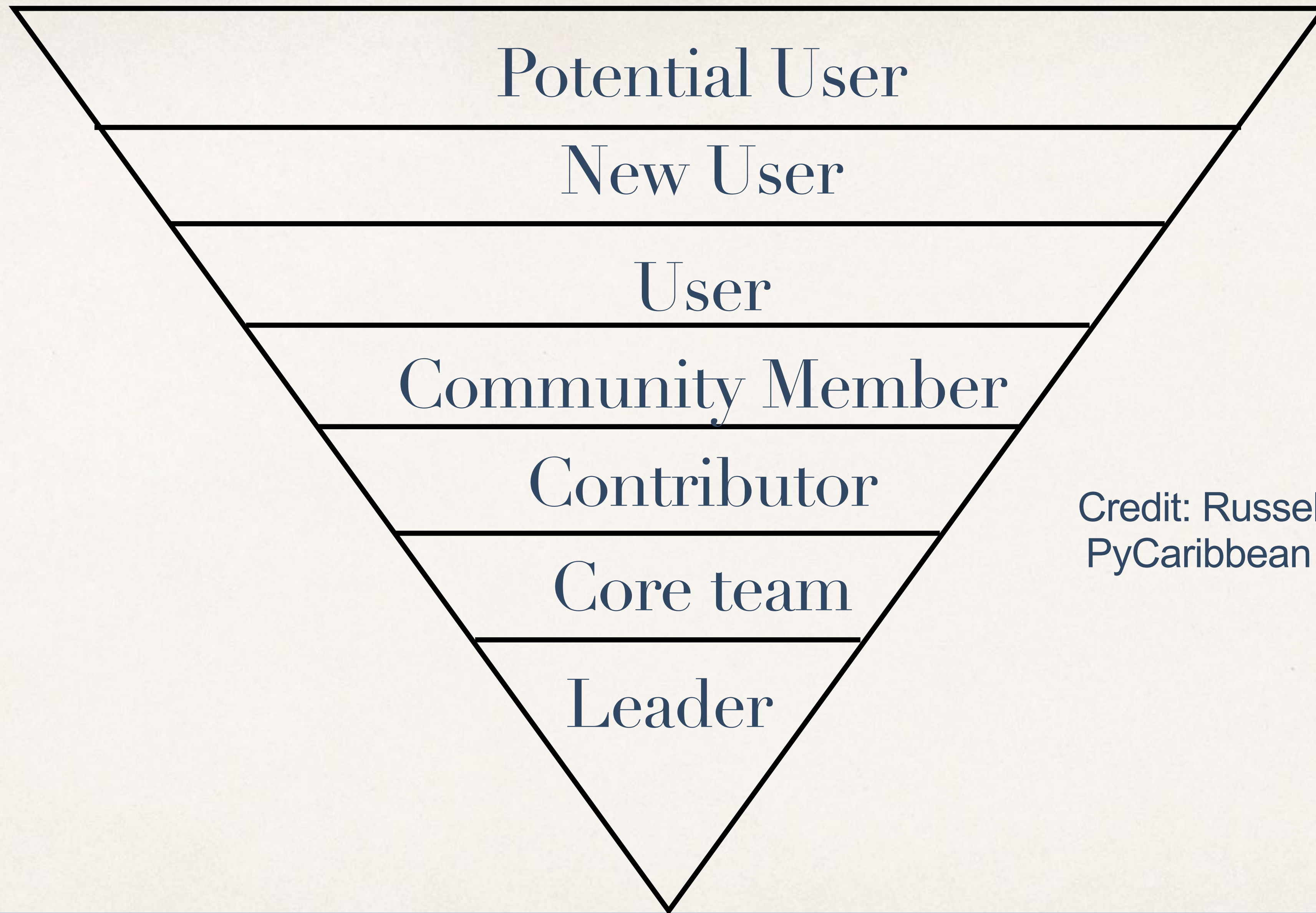
Python Core Developer





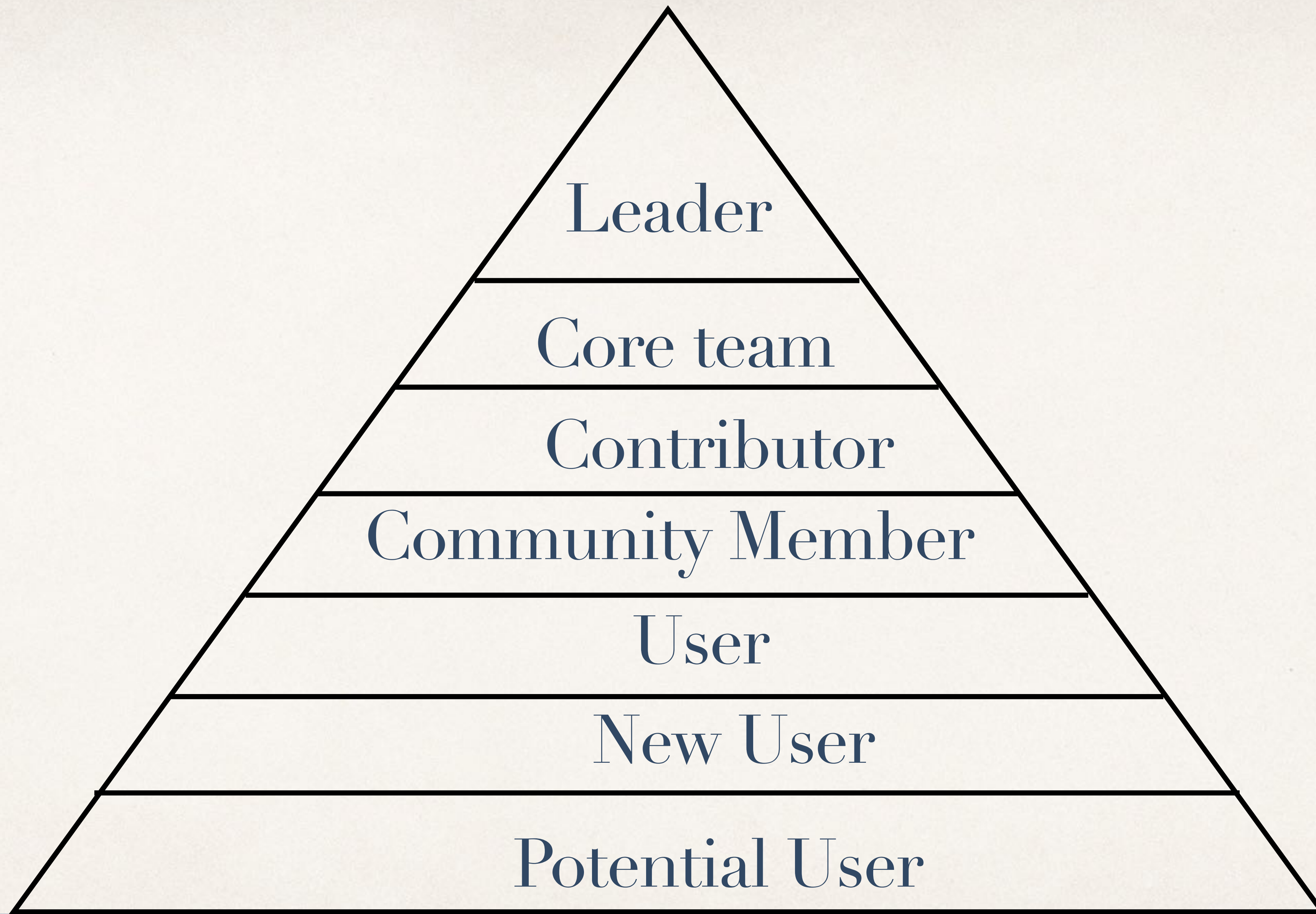
# Python Core Developer?



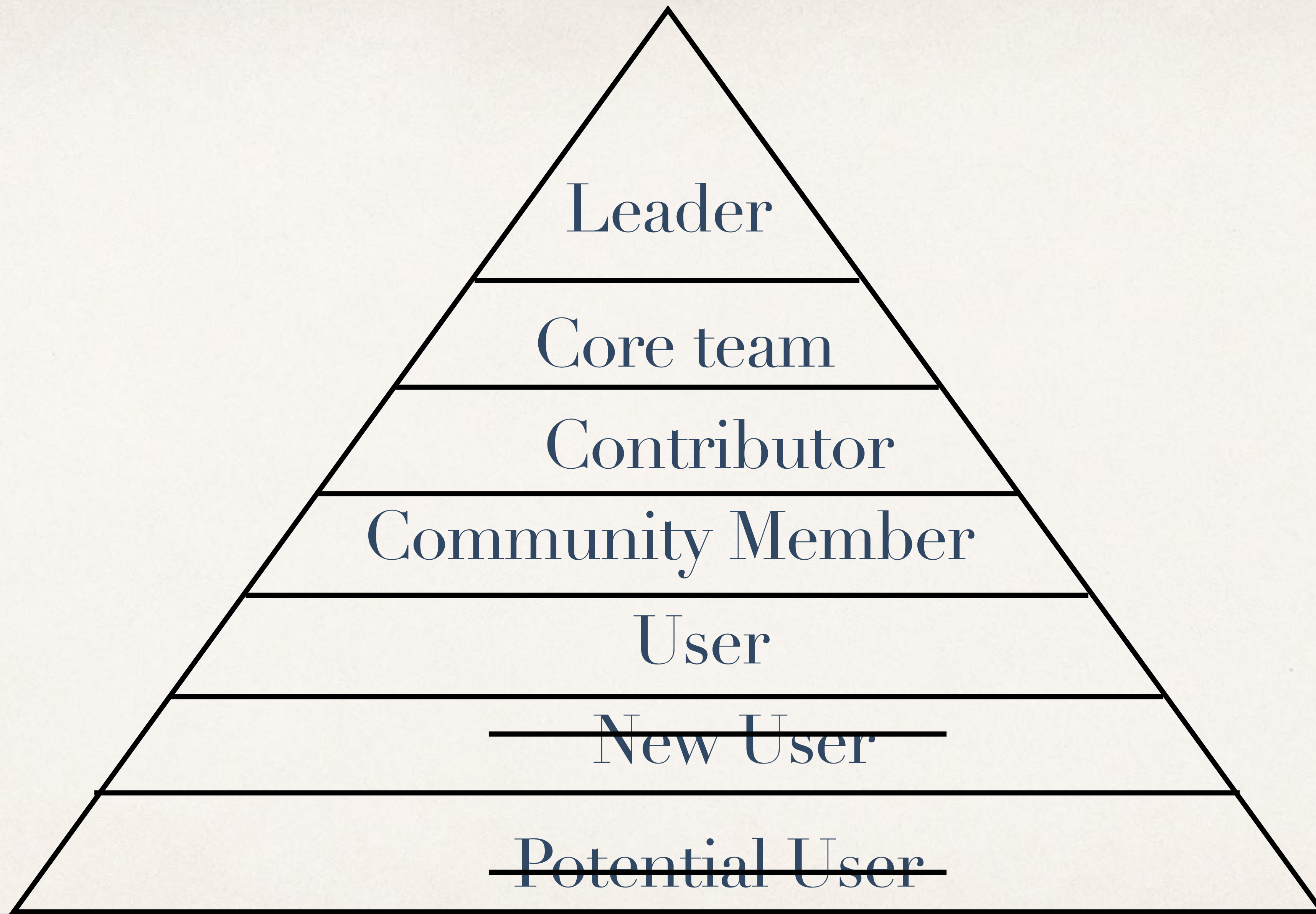


Credit: Russell Keith-Magee,  
PyCaribbean 2017 Keynote

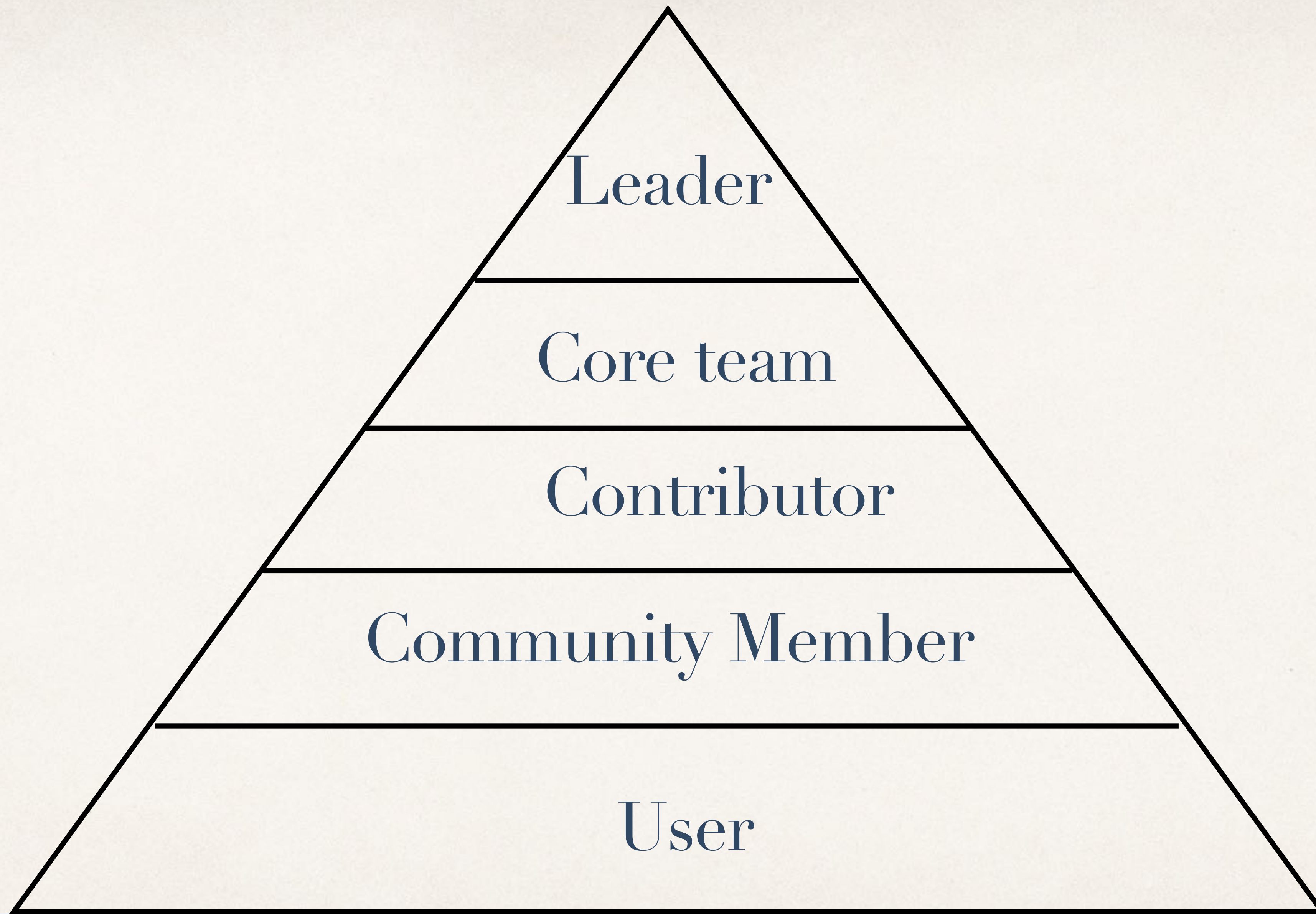




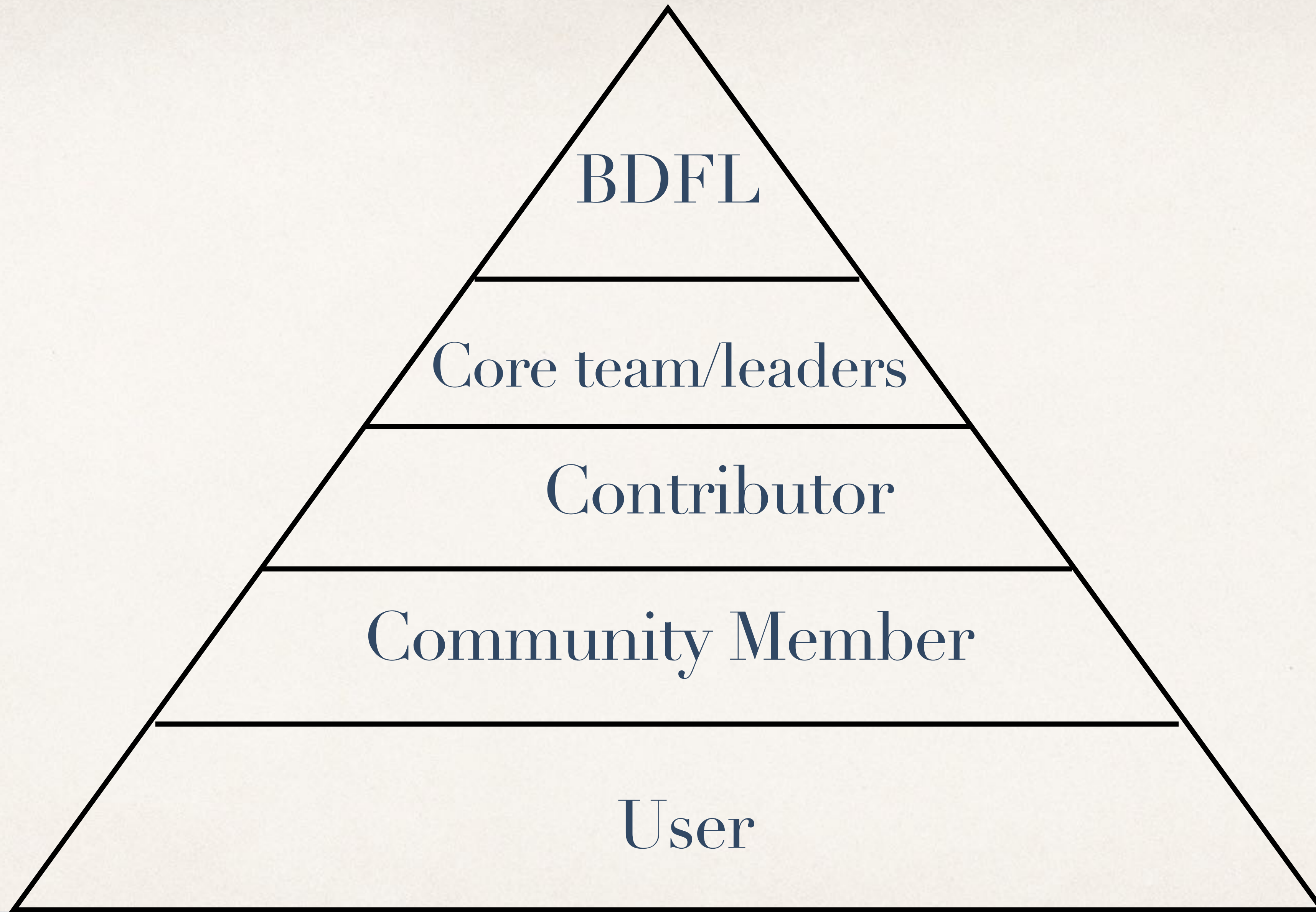














# Python Core Developers

commit right to CPython

89 core developers



# The perks

 in the bug tracker

Admission to Python Language Summit

Annual Python Core sprint



# Python core team

... and be responsible for 17 repos

- cpython
- devguide
- peps
- core-workflow
- performance
- the-knights-who-say-ni
- bedevere
- miss-islington
- ...



# Mailing lists:

- python-committers \*
- python-dev
- core-mentorship
- new-bugs-announce
- new-bugs-announce
- python-bugs-list
- python-ideas
- core-workflow

\* core developers only



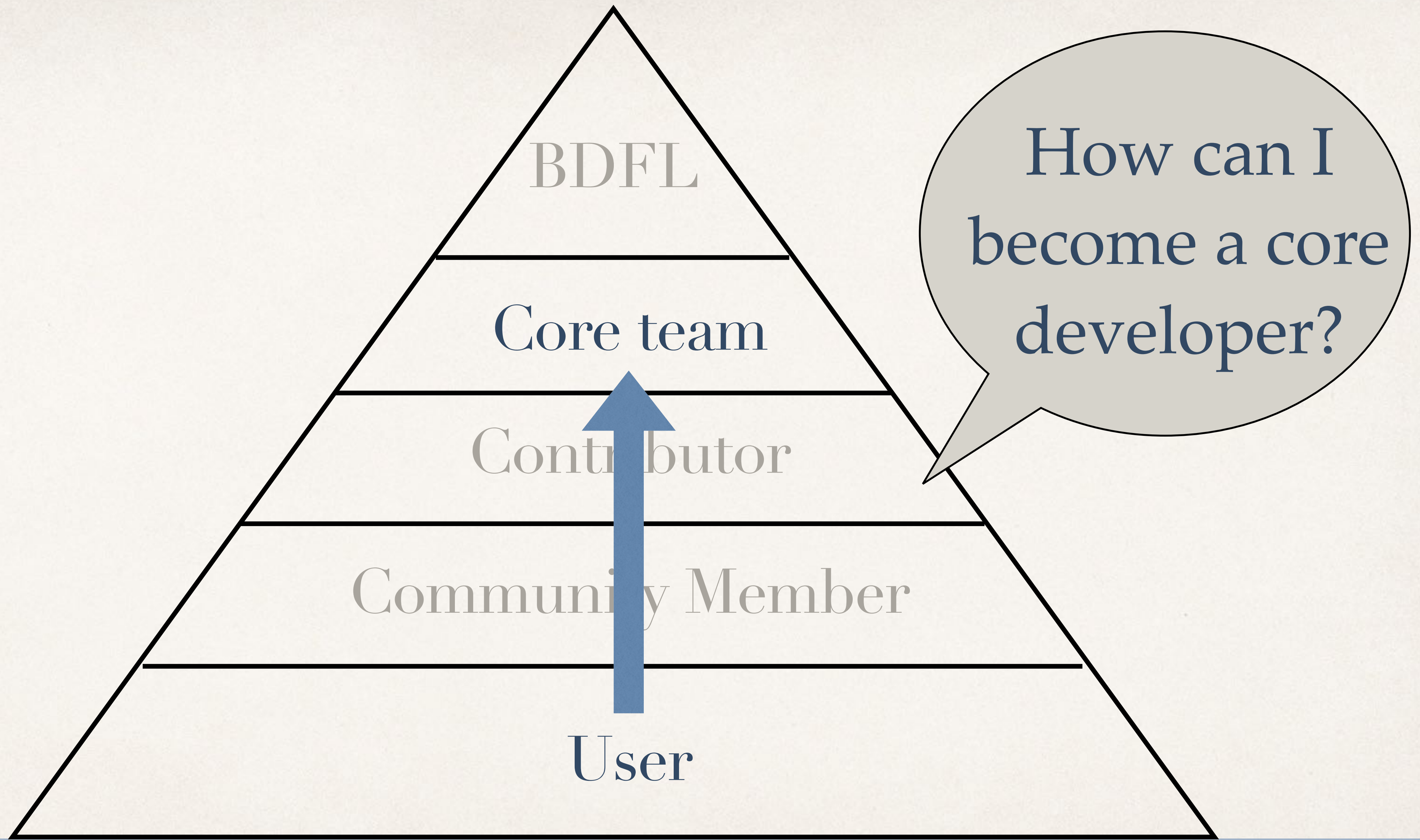
# Responsibilities?

- Review PRs (600+ still open)
- Accept / reject PRs (6000+ closed in past year)
- Face the consequence
- Help contributors
- Be the representative for Python

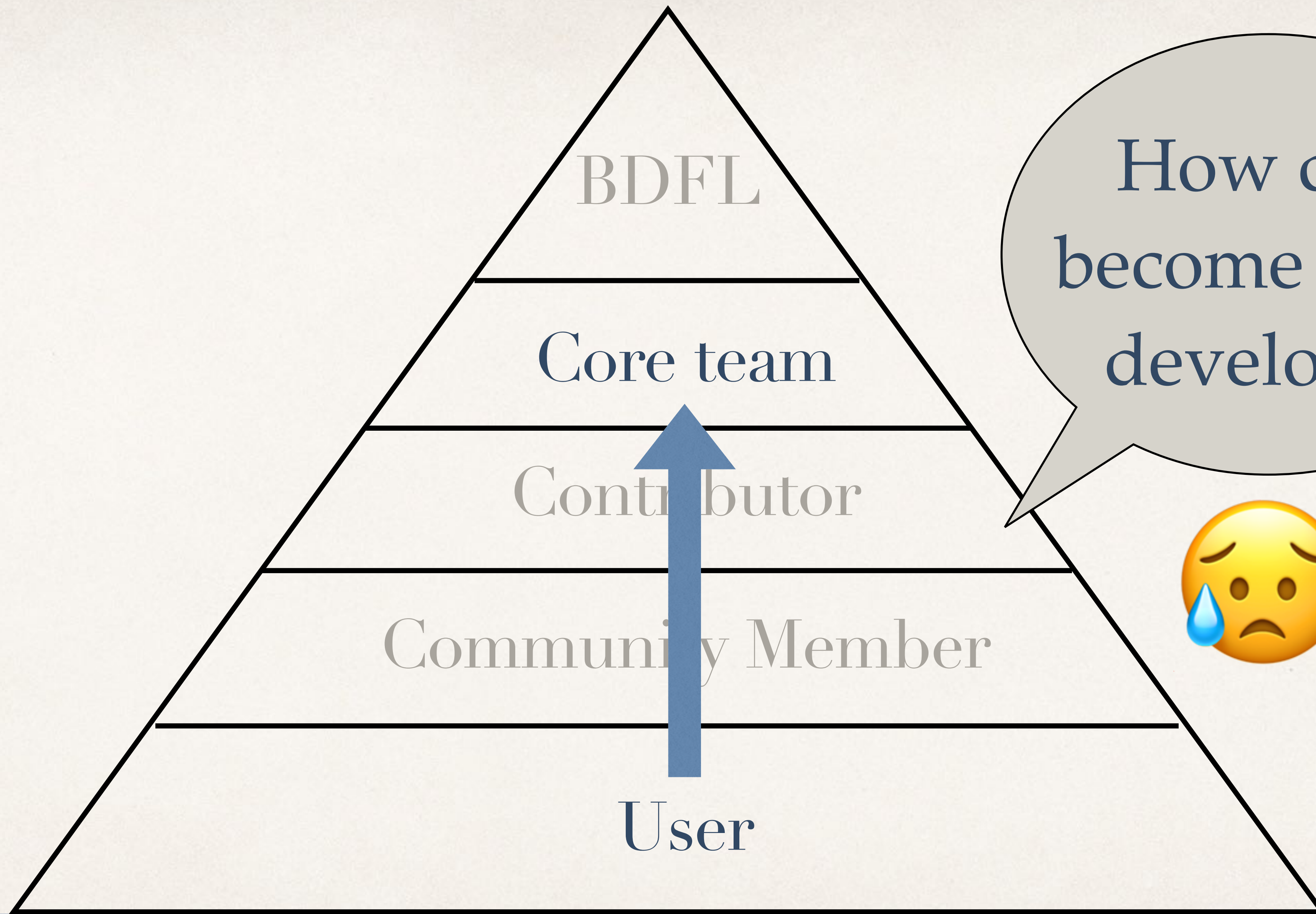


# F.A.Q





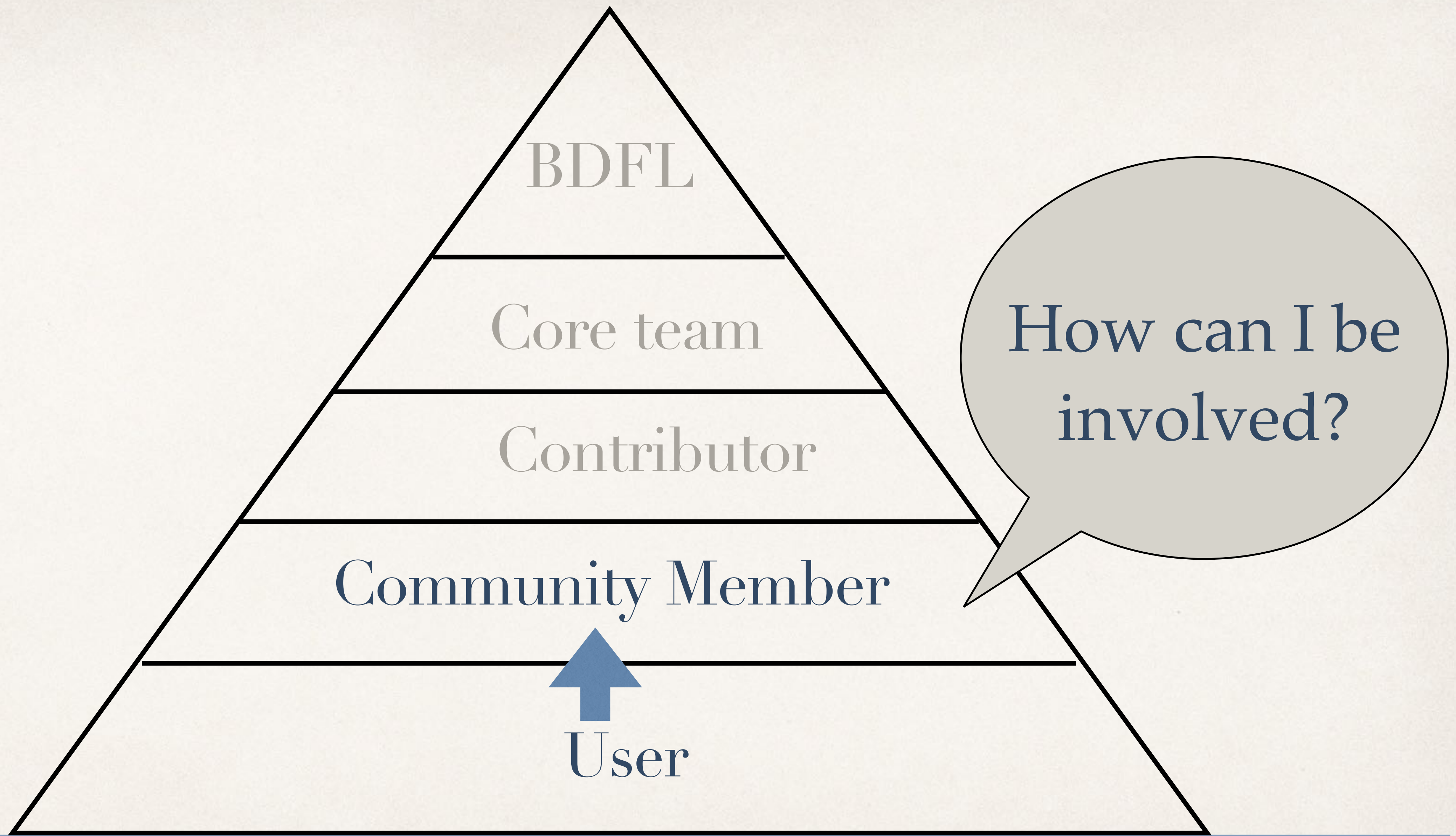




How can I become a core developer?





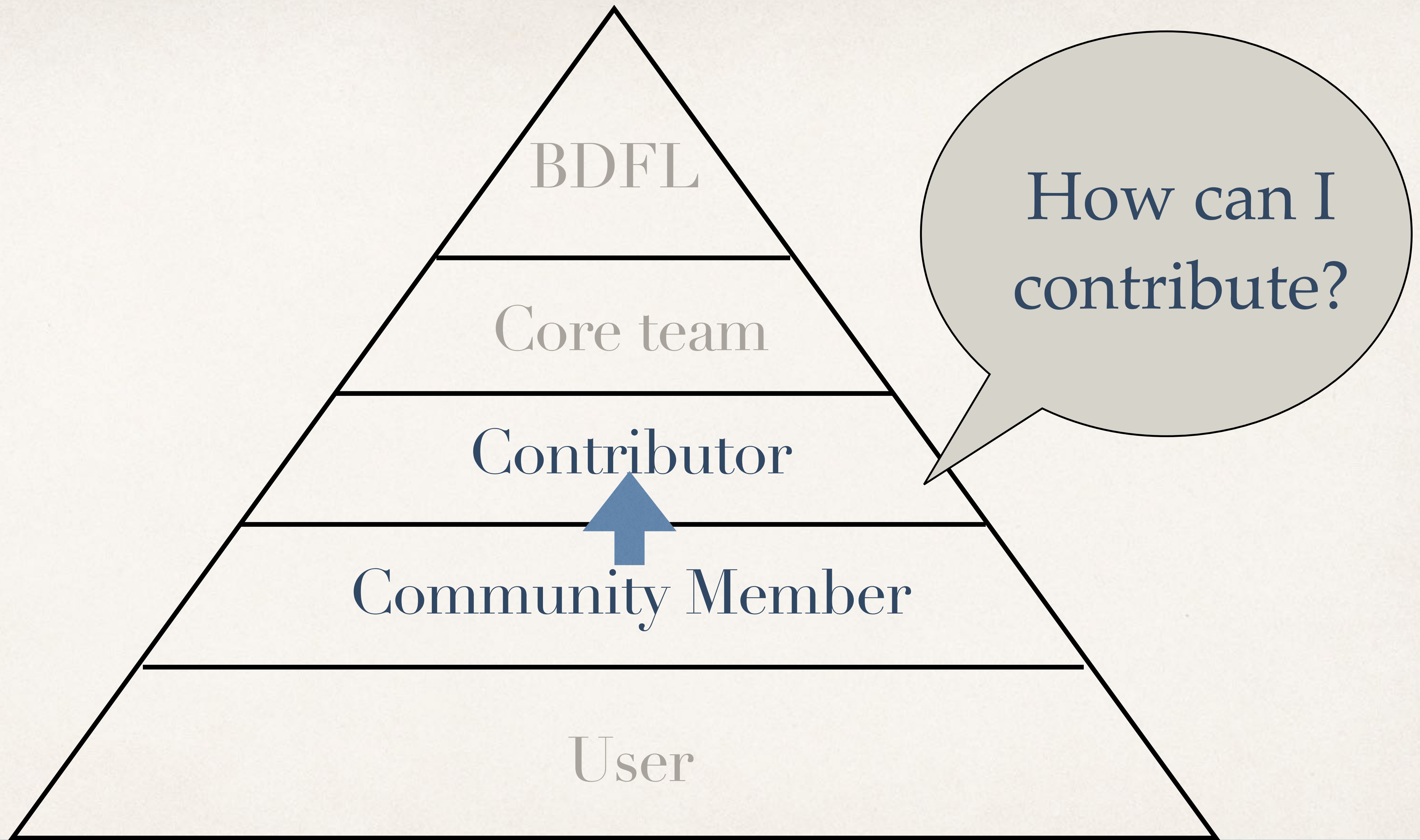




# Ways to get involved in the community

- Help your local meetup
- No meetup? Start one.
- Blog about Python or your fav library
- Volunteer at conferences
- Be open, considerate, and respectful



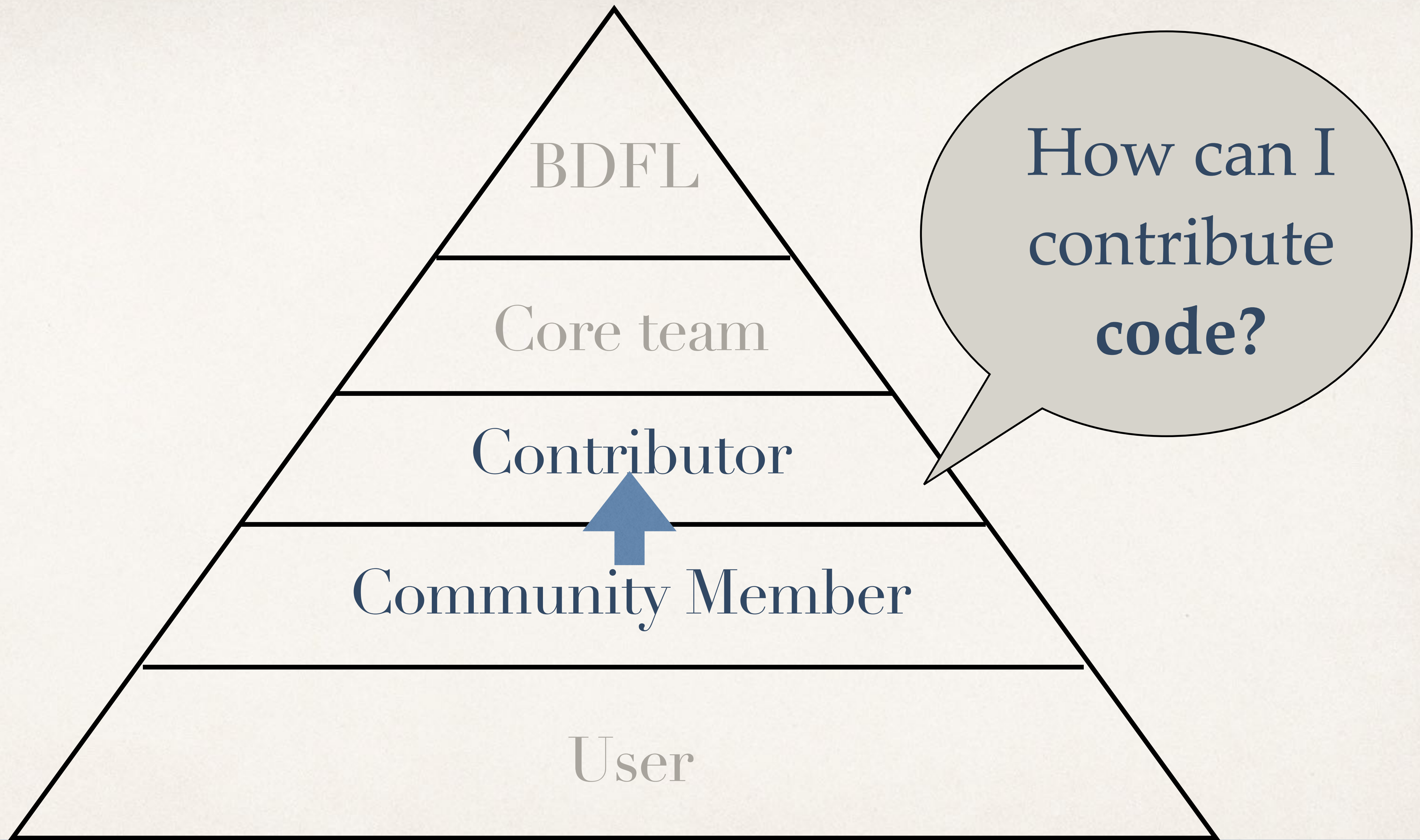




# Ways to contribute to open source

- Join the communication channels (mailing lists, IRC, Gitter, Slack)
- Report bugs
- Propose ideas
- Improve documentation
- Review pull requests
- Be open, considerate, and respectful



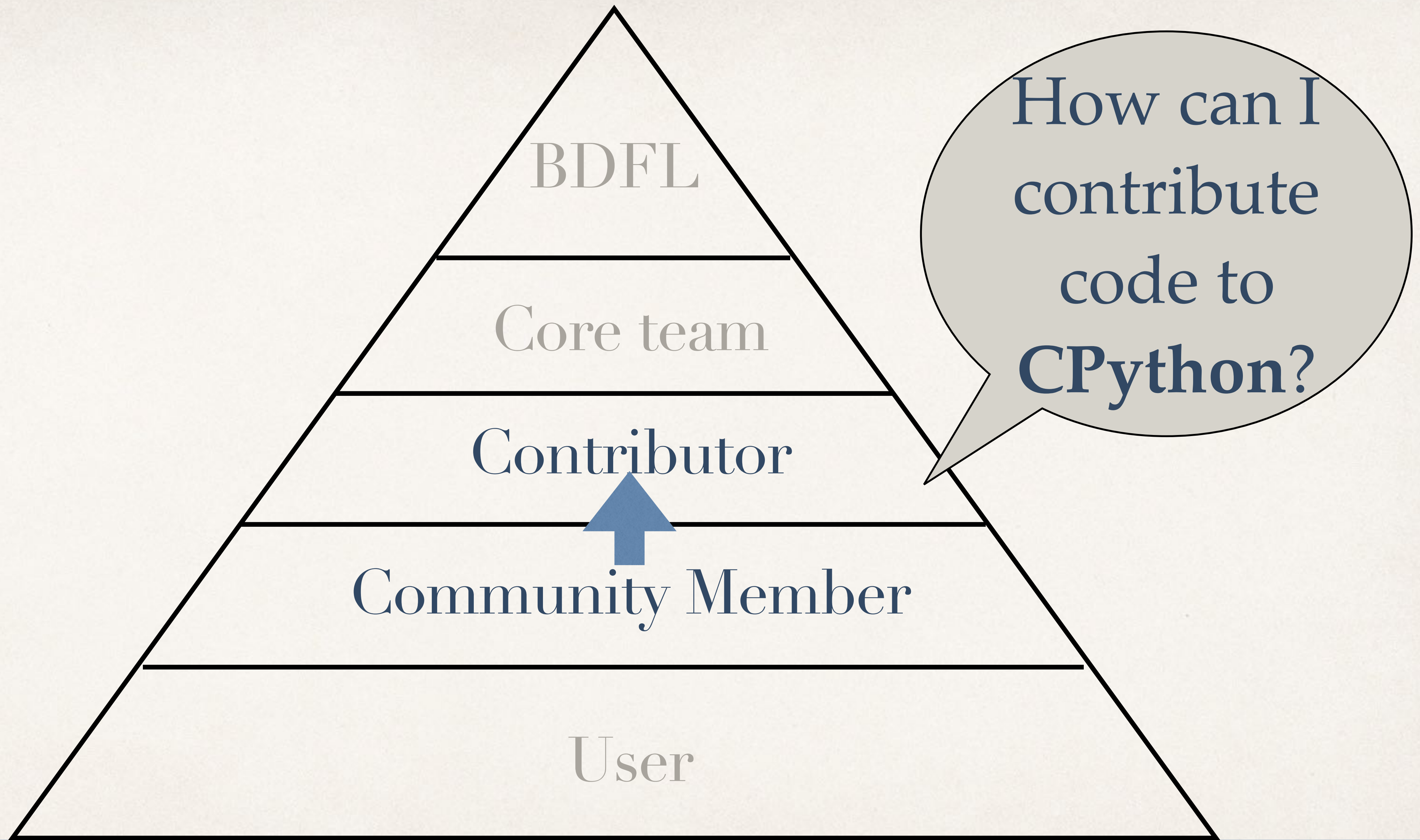




# Ways to contribute code to open source

- Read the contribution guide
- Work on an issue
- Propose pull request







# Contributing to CPython

- Read the Dev Guide  
([devguide.python.org](https://devguide.python.org))
- Join core-mentorship and python-dev
- Find issue in [bugs.python.org](https://bugs.python.org)
- Propose pull request



# How to find an issue to work on?

- Follow the repo
- Choose an issue based on your interest and skillset
- Do your own research on the issue



# Can you find me an issue?



# Can you find me an issue?





# Can you find me an issue?



Sure, I just need to:

- Follow issues in the bug tracker
- Research the issue
- Ask if you're interested in the issue I found for you



# My contributions to open source





# My contributions to open source



I fixed lots of typos 🤪



**Merged** PCManticore merged 1 commit into PyCQA:master from Mariatta:master on Jul 21, 2016

Conversation 2

Commits 1

Files changed 1

Changes from all commits ▾ Jump to... ▾ +1 -1 ■■■■

2 ■■■■ doc/installation.rst



@@ -9,7 +9,7 @@ Pylint should be easily installable using pip.

9 9

10 10 .. code-block:: sh

11 11

12 - python -m pip install pip

12 + python -m pip install pylint

13 13



**Merged** Rosuav merged 1 commit into `python:master` from `Mariatta:fix-typo` on Dec 4, 2016

Conversation 1

Commits 1

Files changed 2

Changes from all commits ▾ Jump to... ▾ +3 -3 ■■■■■

4 ■■■■■ pep-0524.txt



@@ -41,7 +41,7 @@ short Python script used to compute a MD5 hash, systemd-cron,

41 41 called very early in the init process. The system initialization blocks  
42 42 on this script which blocks on ``getrandom(0)`` to initialize Python.

43 43

44 -The Python `initilization` requires random bytes to implement a

44 +The Python `initialization` requires random bytes to implement a

45 45 counter-measure against the hash denial-of-service (hash DoS), see:



**Merged** vstinner merged 1 commit into `asyncio-docs:master` from `Mariatta:show-star-count` on Nov 9, 2017

Conversation 2

Commits 1

Files changed 1

Changes from all commits ▾ Jump to... ▾ +1 -1 ■■■■

2 ■■■■ `conf.py`



@@ -146,7 +146,7 @@

146 146 # documentation.

147 147 #

148 148 html\_theme\_options = {

149 - 'github\_user': 'asyncio-doc',

149 + 'github\_user': 'asyncio-docs',

150 150 'github\_repo': 'asyncio-doc',



# My other contributions to Python

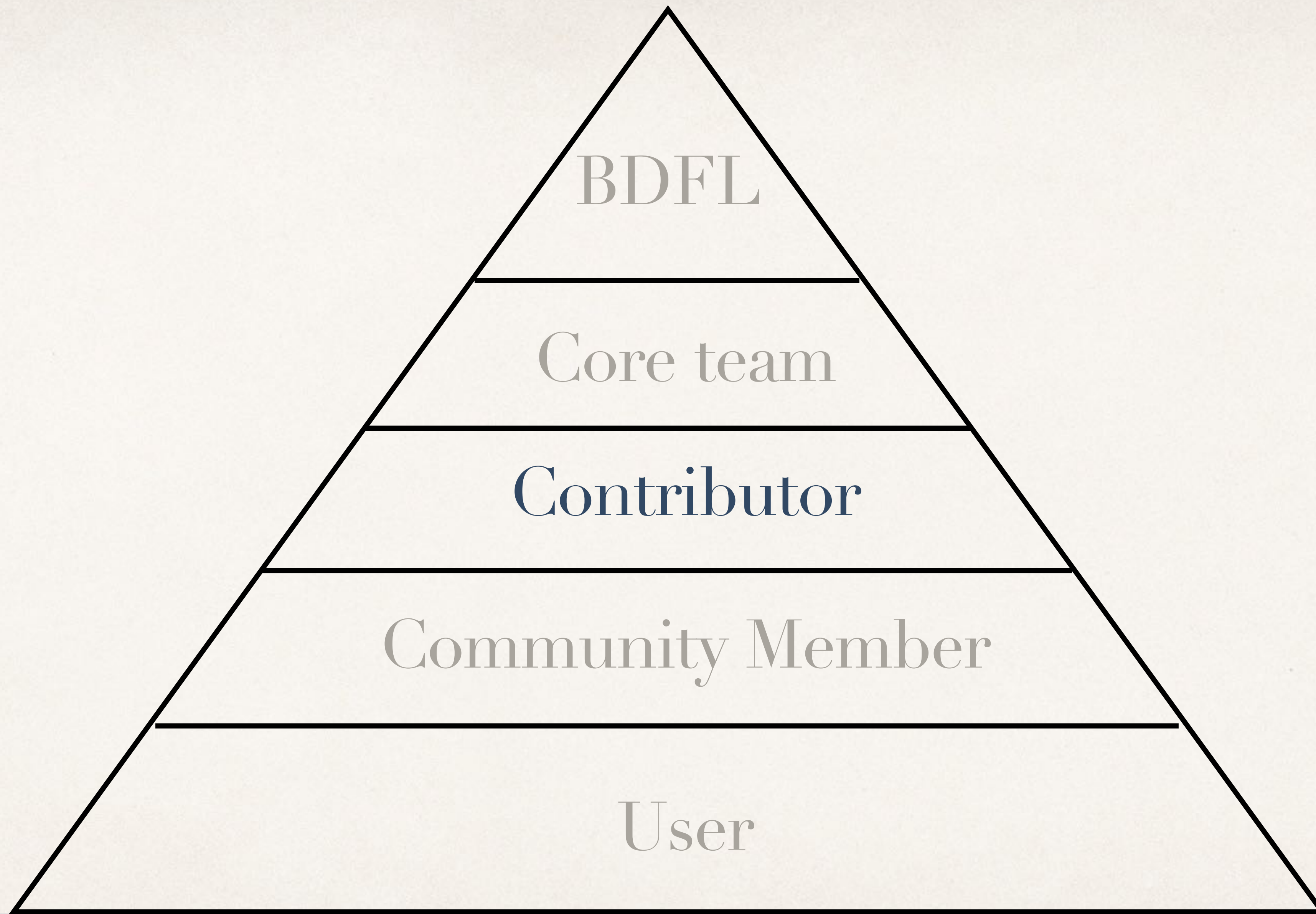
- Python Dev Guide
- Documentation (f-strings, asyncio)
- GitHub bots
- Participate in mailing lists
- Congratulate you for your first PR 🌮



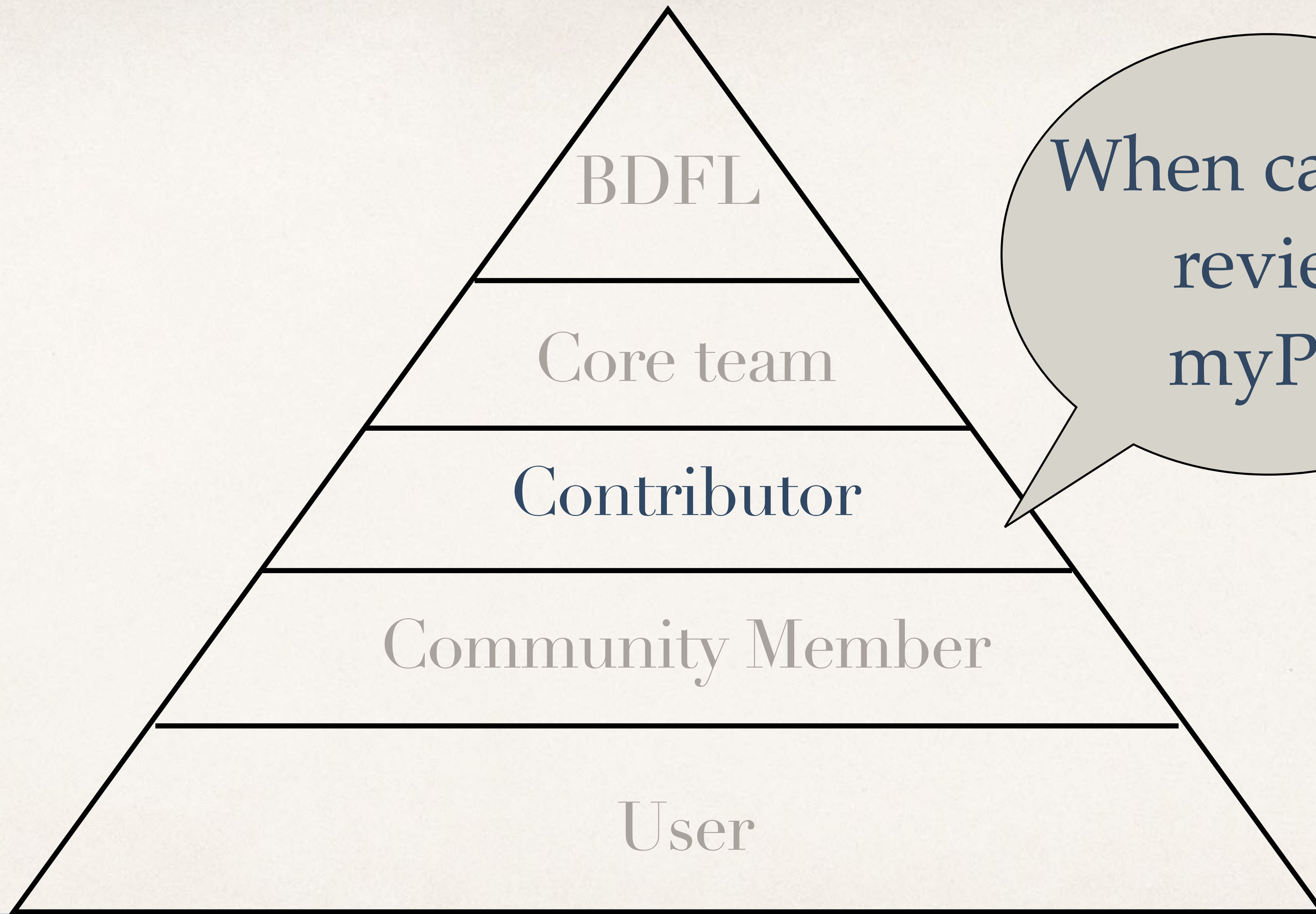
# Contribute to tools that I use

- coala
- warehouse
- gidgethub
- aiohttp
- (Look at requirements.txt)



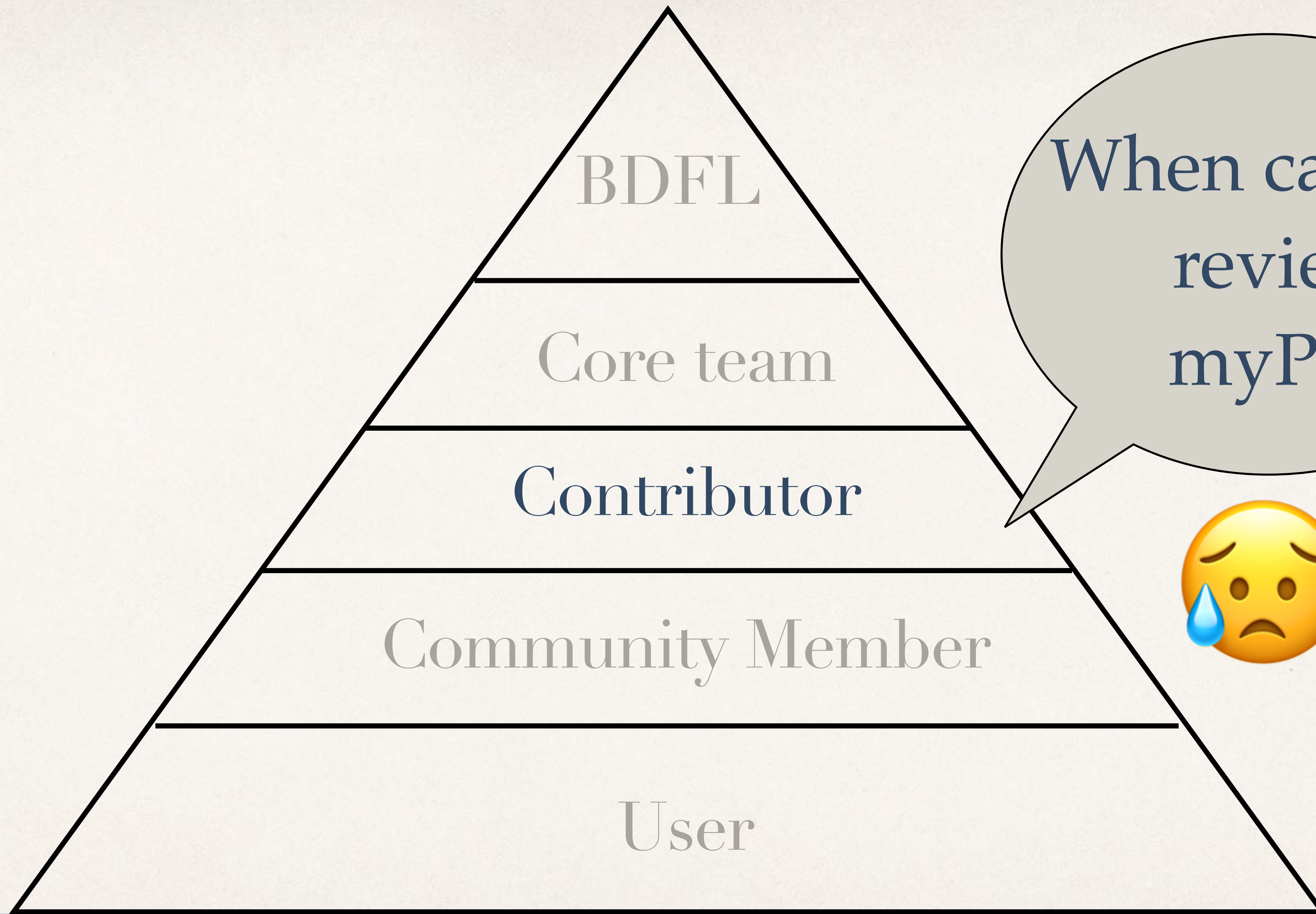






When can you  
review  
myPR?



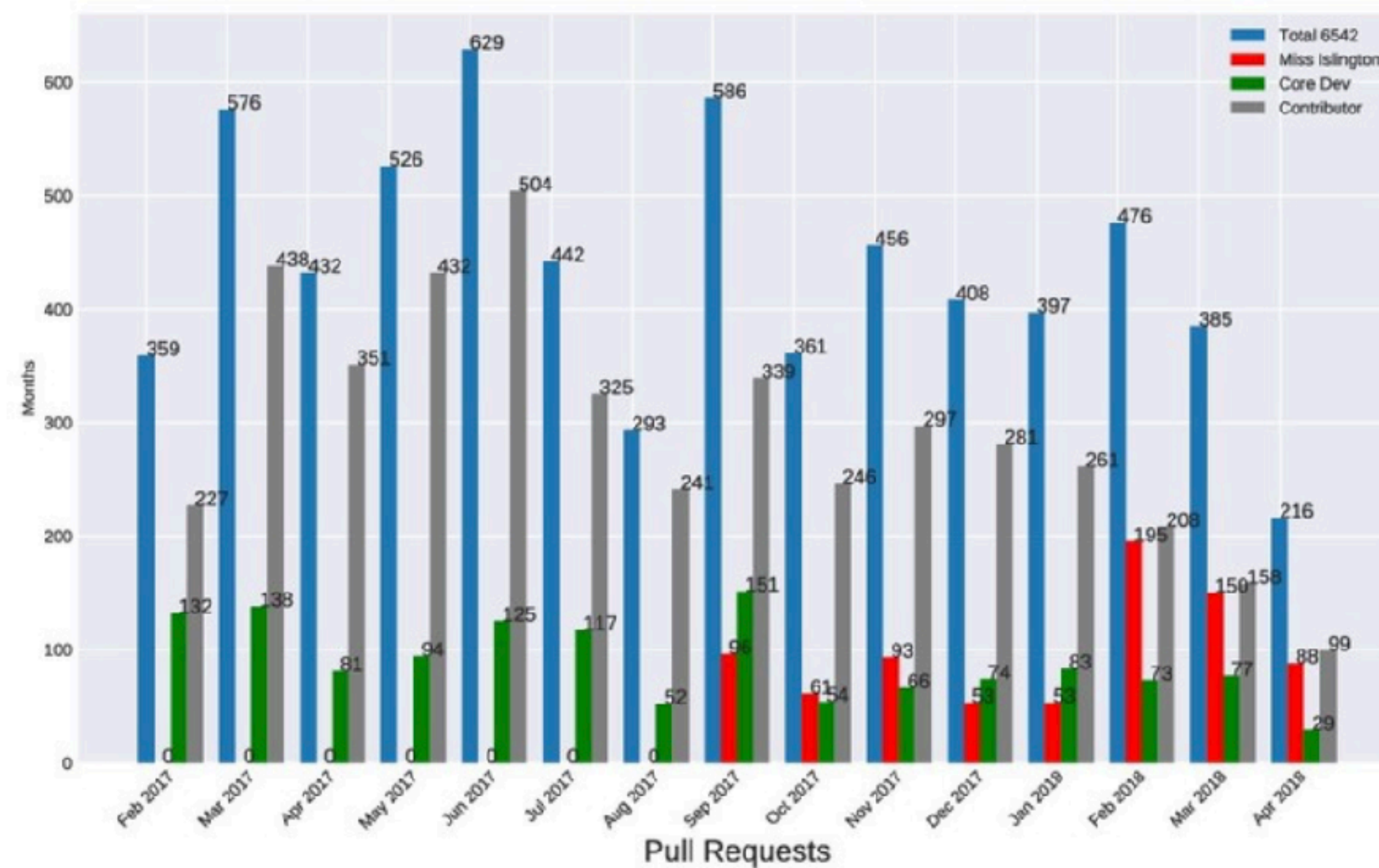


When can you  
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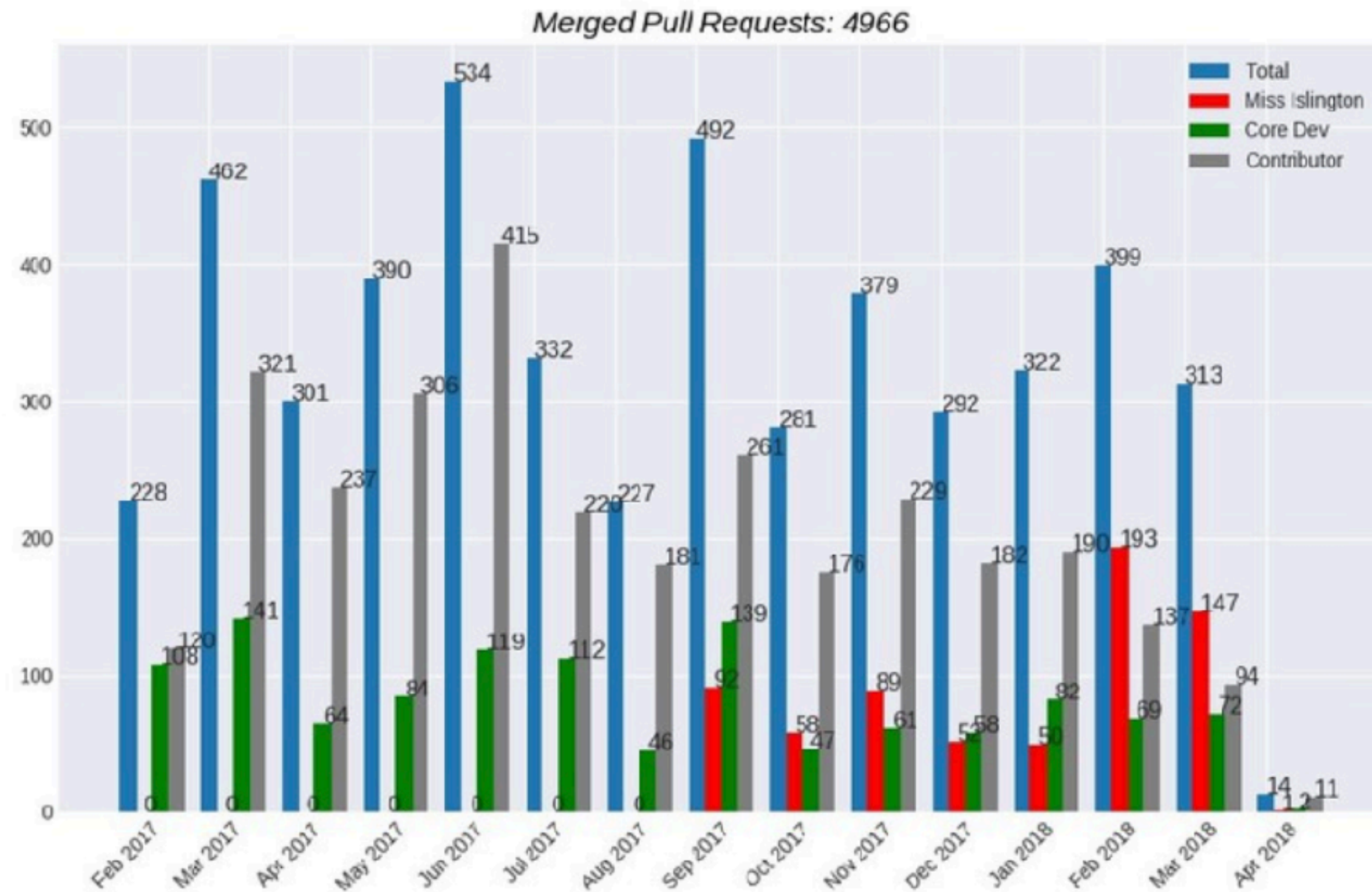
# Pull Requests: 6542



Source: Stéphane Wirtel: CPython Loves your Pull Request  
<https://speakerdeck.com/matrixise/python-loves-your-contributions>



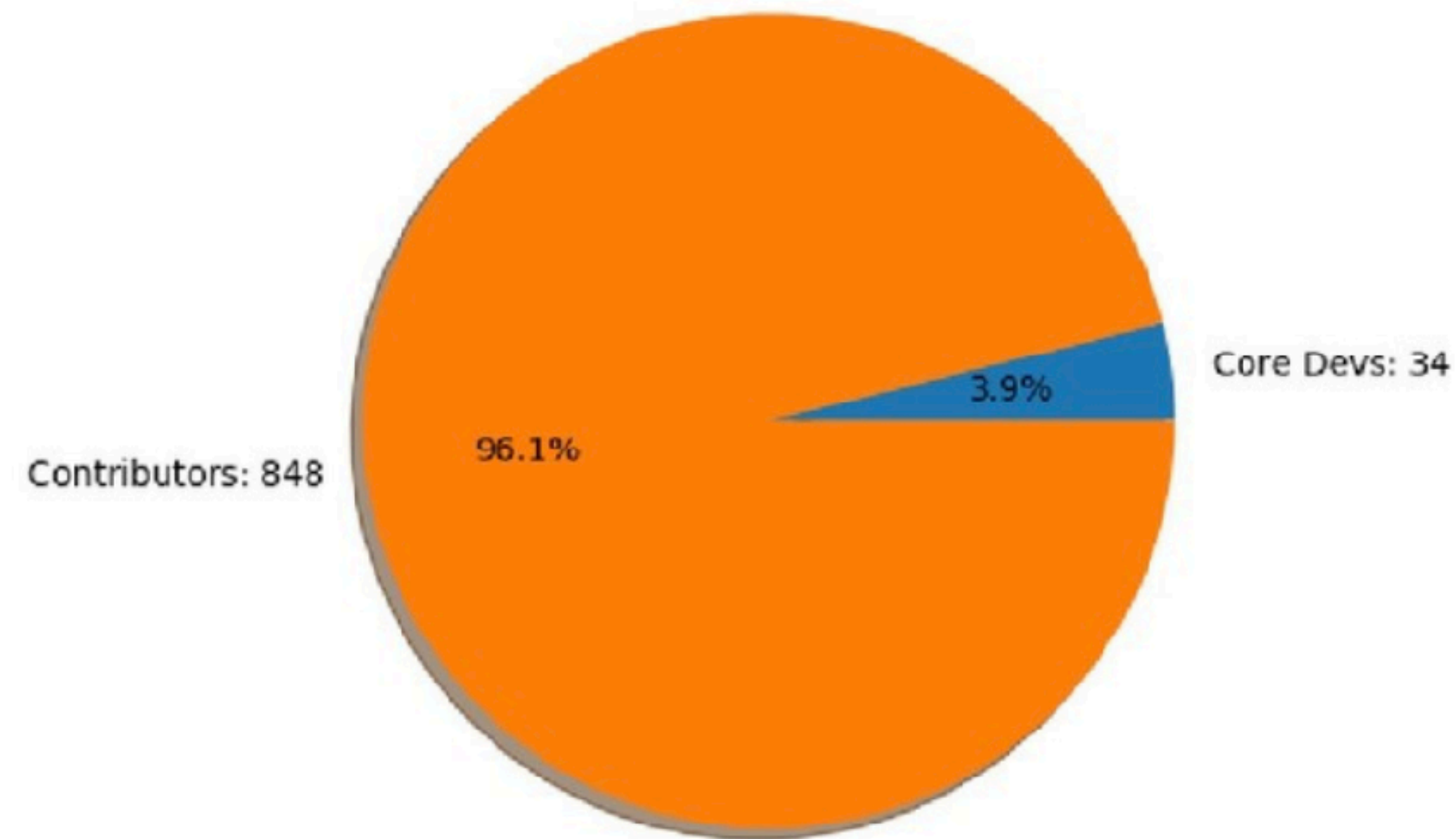
# Merged Pull Requests: 4966



Source: Stéphane Wirtel: CPython Loves your Pull Request  
<https://speakerdeck.com/matrixise/python-loves-your-contributions>



## Core-Devs & Contributors / Numbers



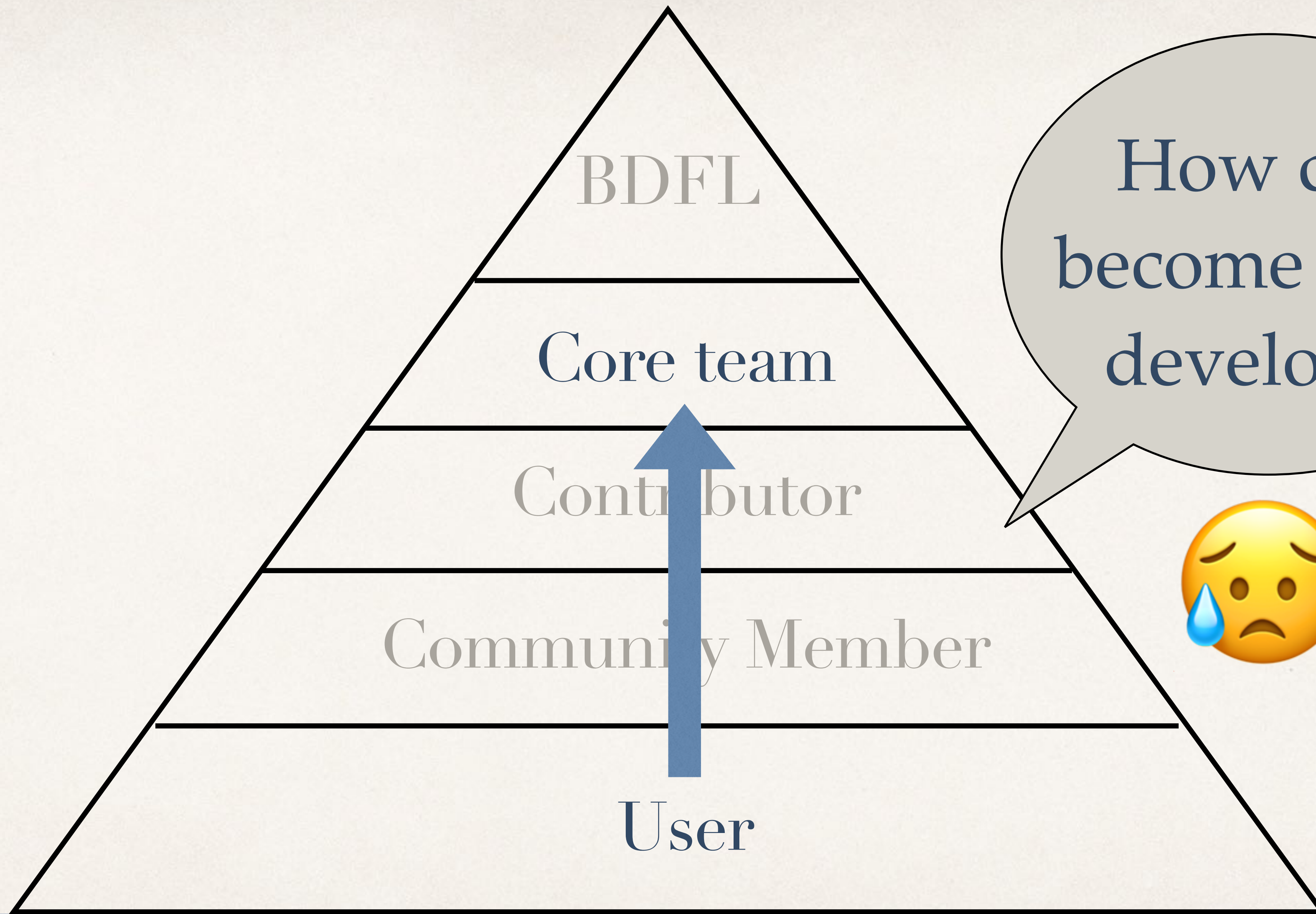
Source: Stéphane Wirtel: CPython Loves your Pull Request  
<https://speakerdeck.com/matrixise/python-loves-your-contributions>



# Reasons we have not reviewed your PR

- Lack of time
- Not my expertise
- Lack of interest / We didn't ask for it
- Fear the consequence

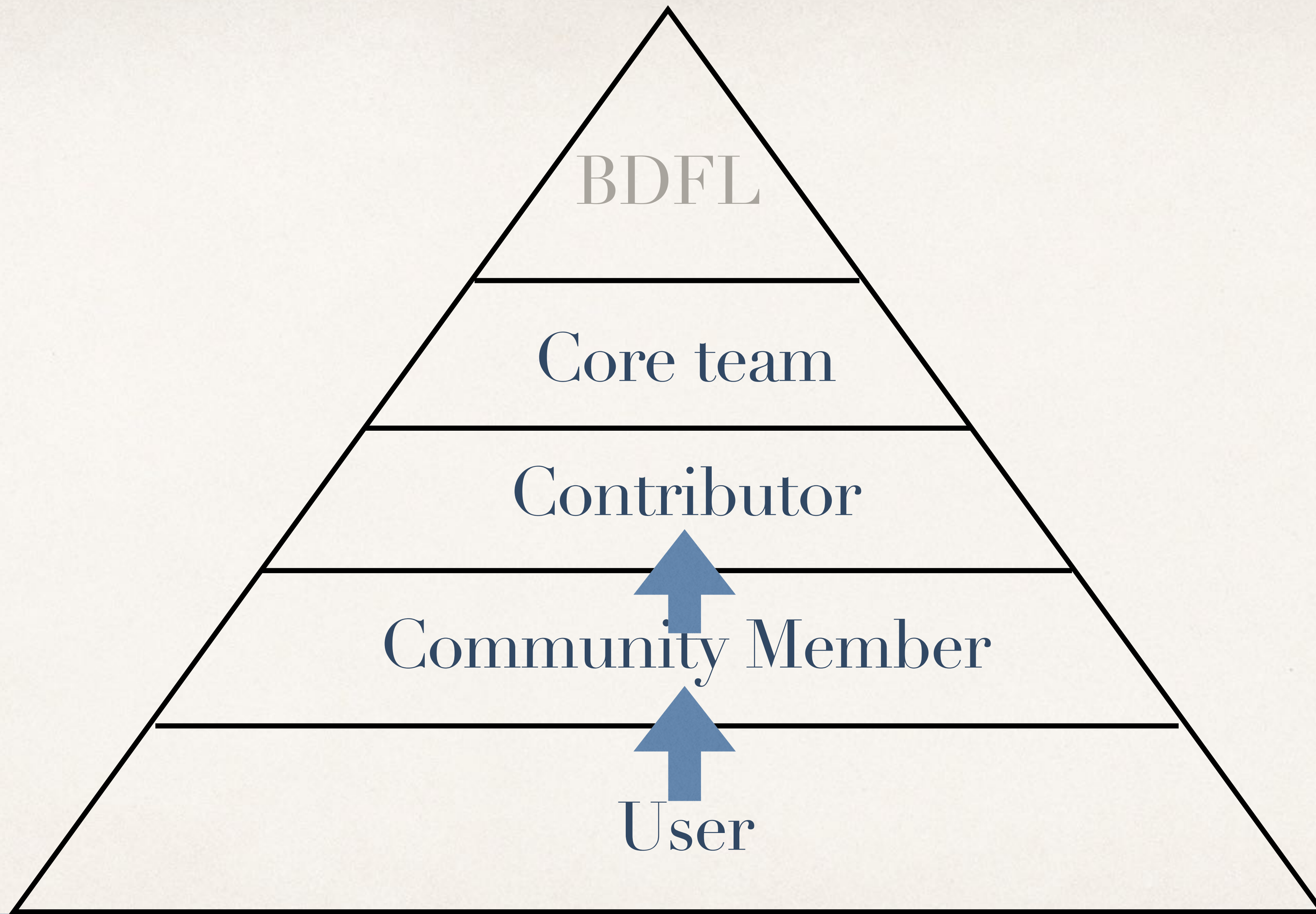




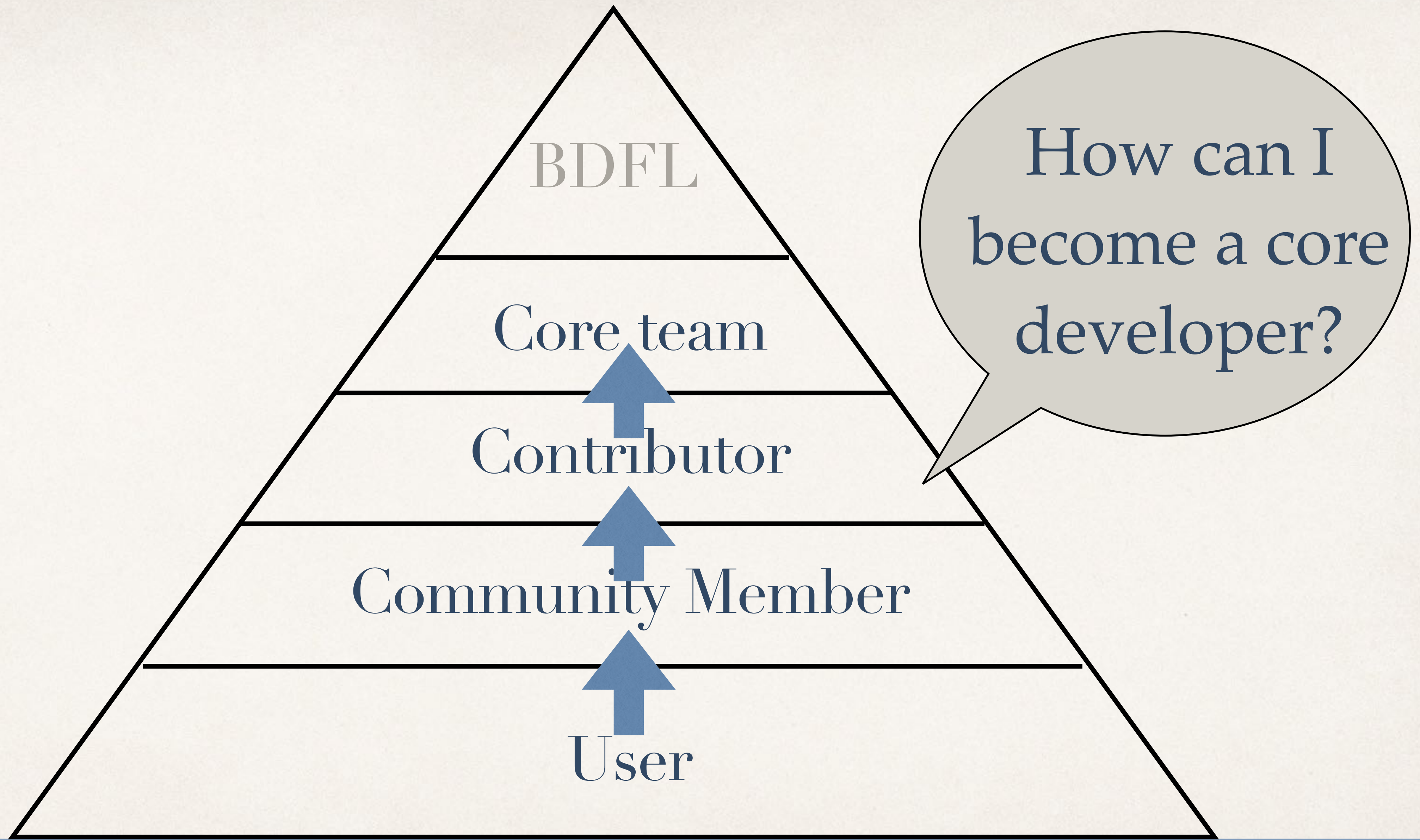
How can I become a core developer?



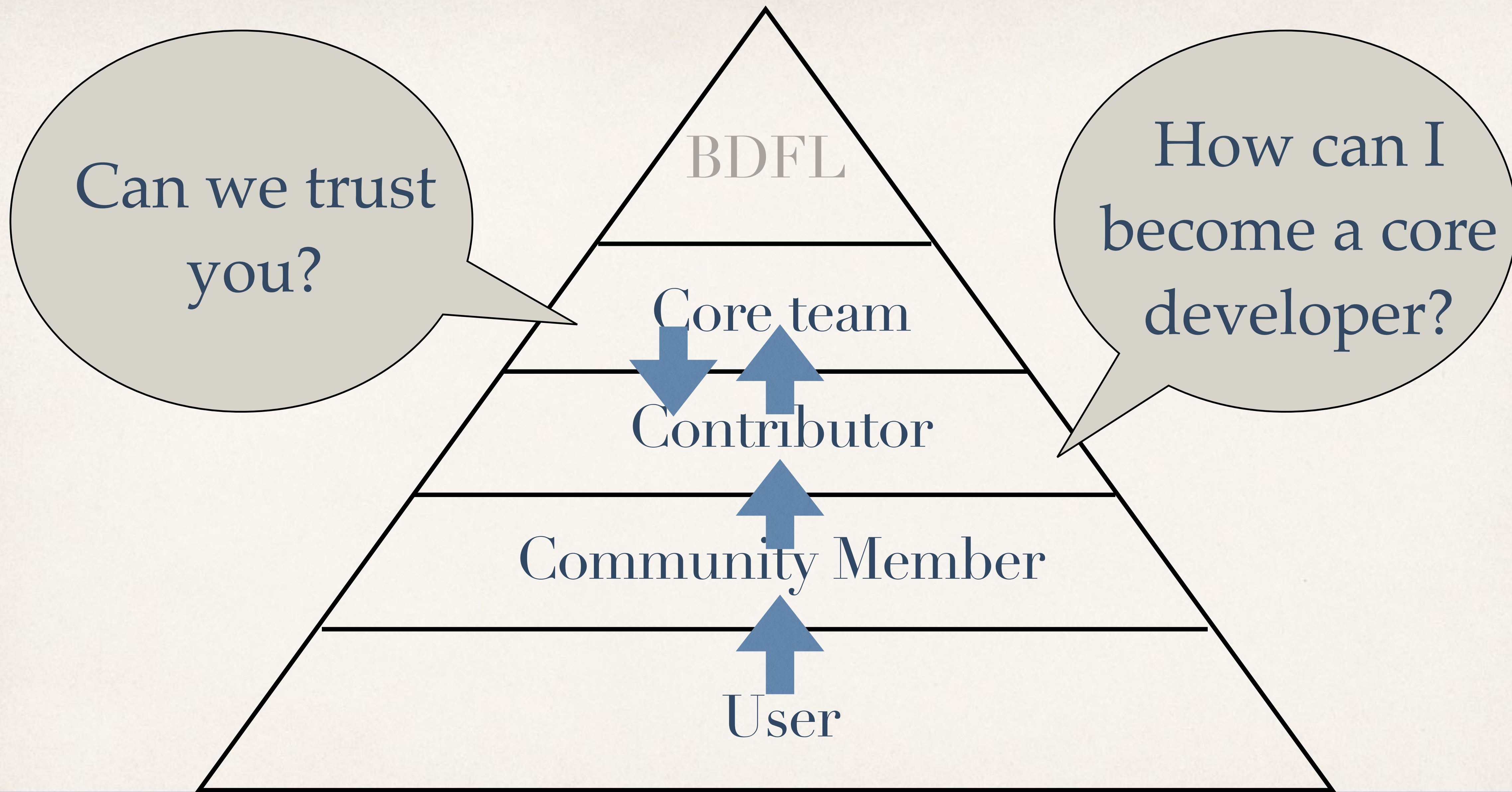














# How to become a core developer?

- Earn the trust from existing core devs
- Accept responsibilities
- Be open, considerate, and respectful



# F.A.Q

How did I earn the trust?



# F.A.Q

How did I earn the trust?





# F.A.Q

How much time do you spend contributing?

Way too much time!



# F.A.Q

*Are you getting paid?*



# F.A.Q

Are you getting paid?





# F.A.Q

How do you balance all of this?



# F.A.Q

How do you balance all of this?

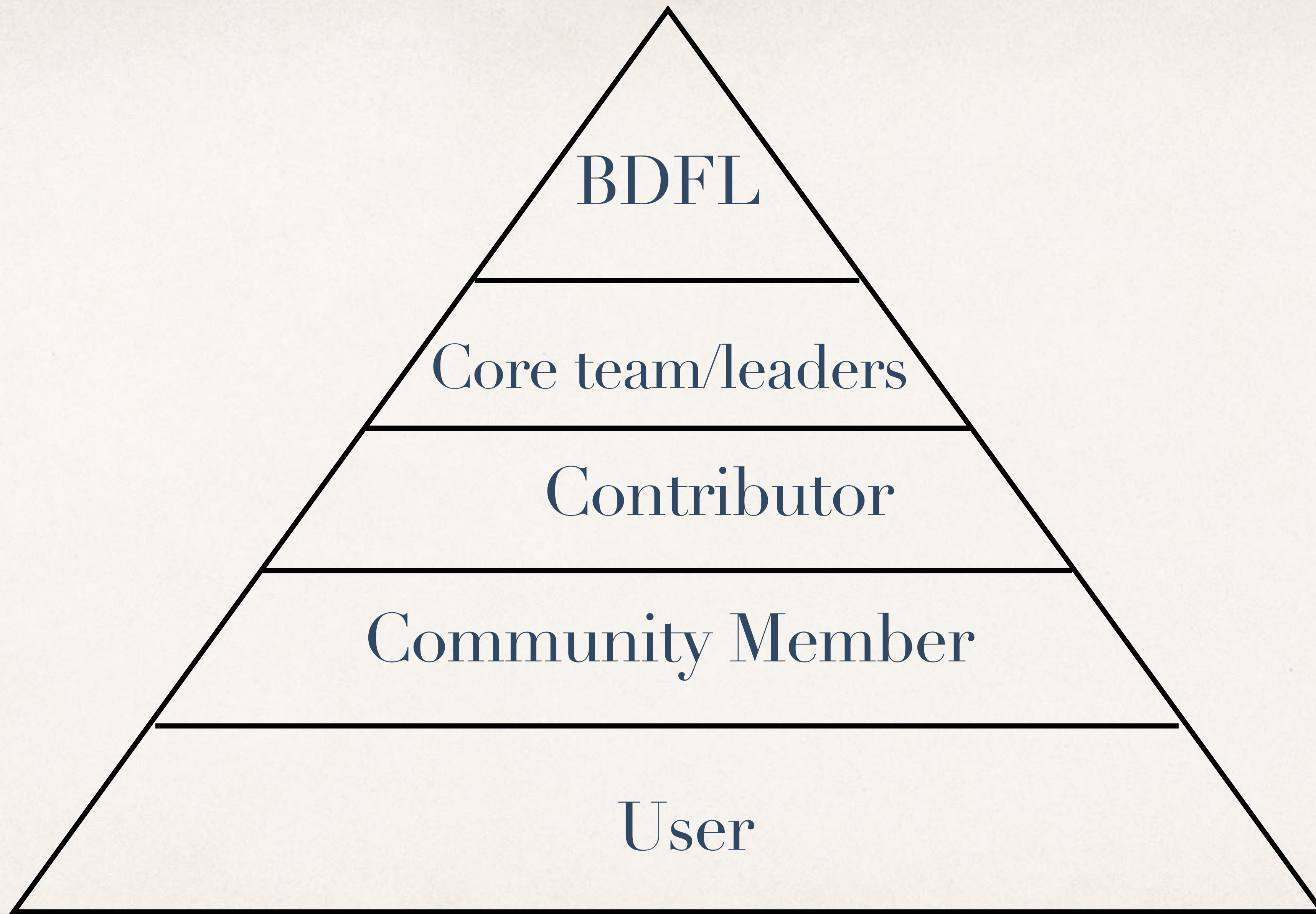




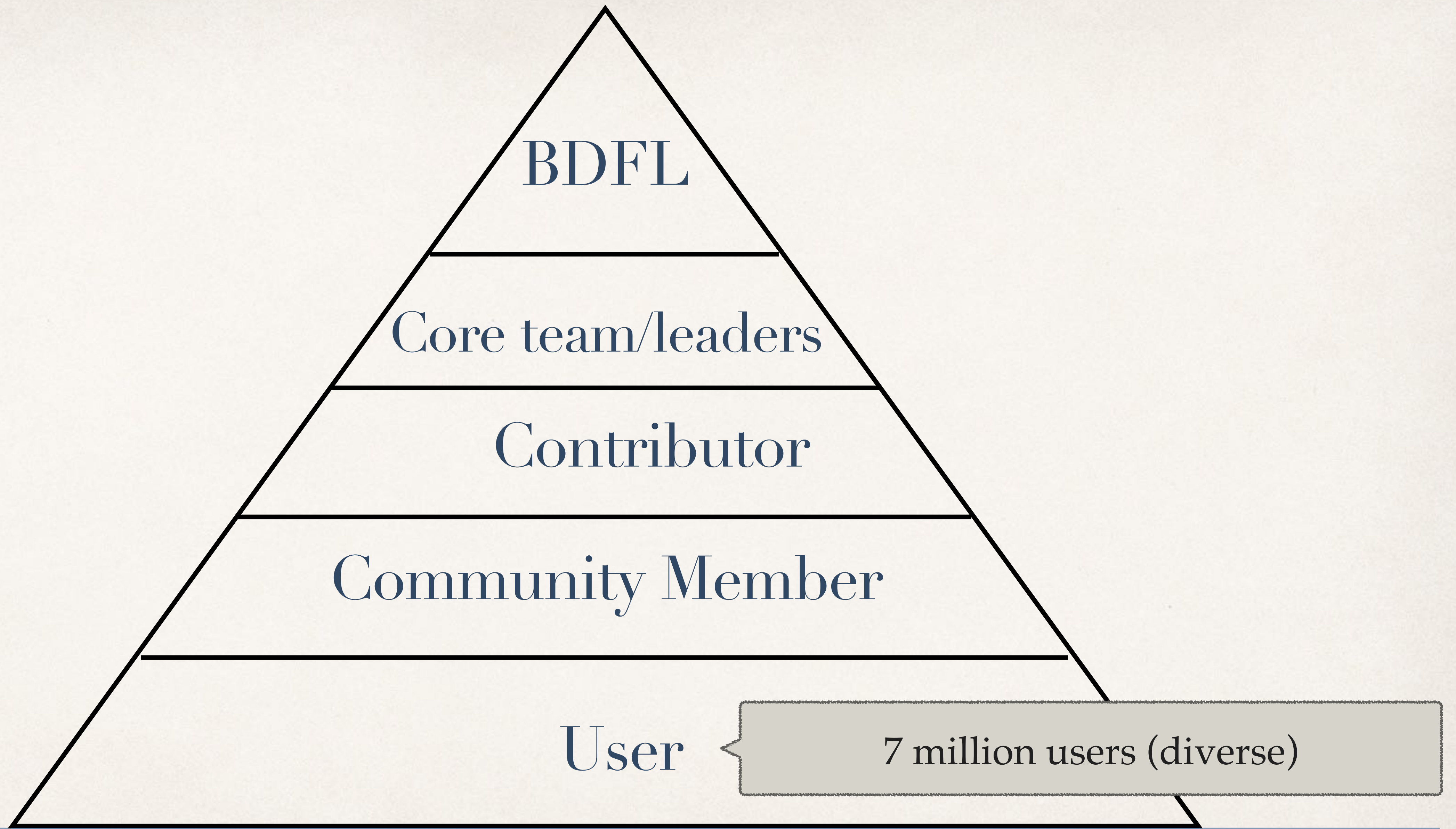
# F.A.Q

How do we get more women contributors?

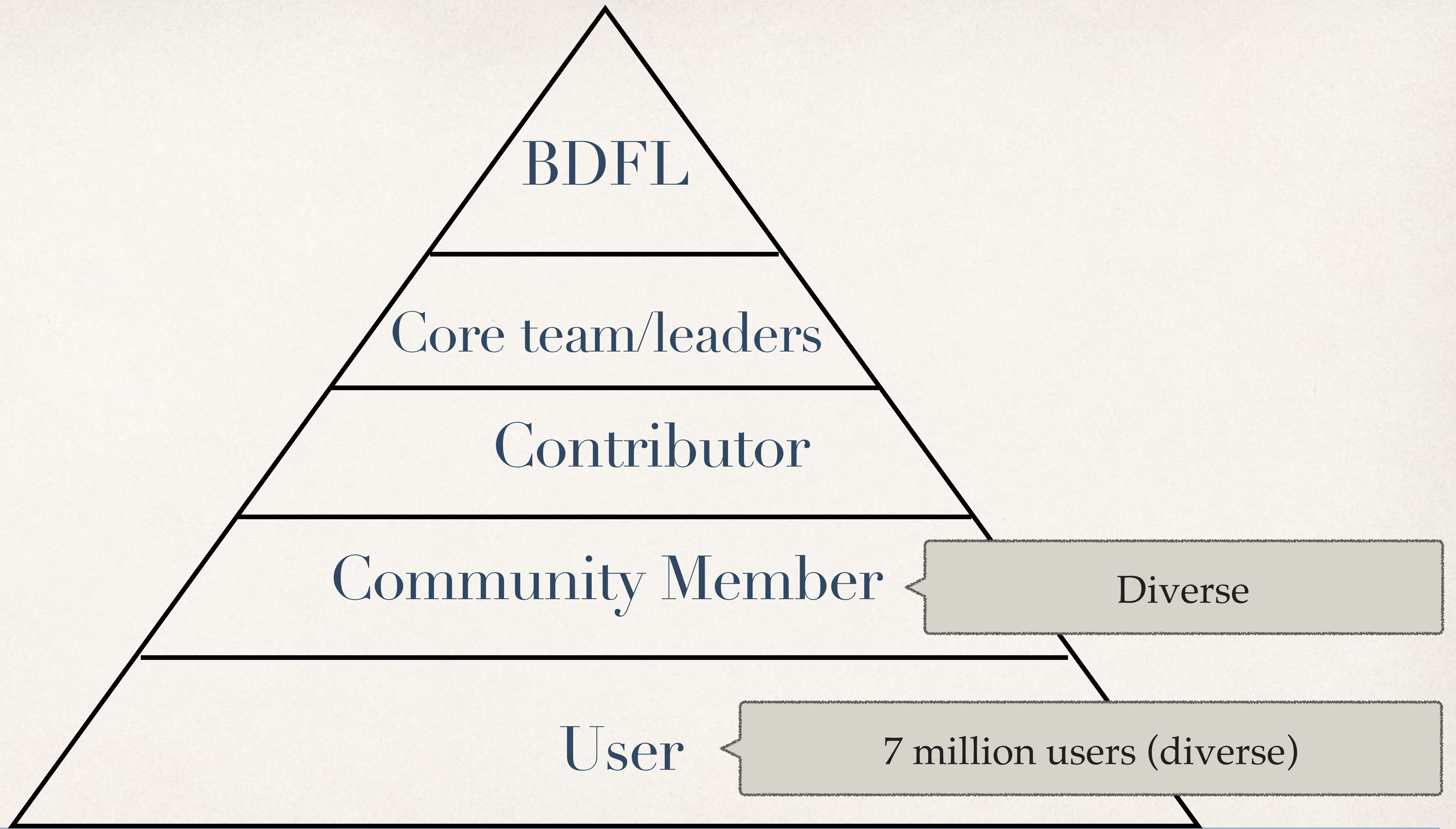




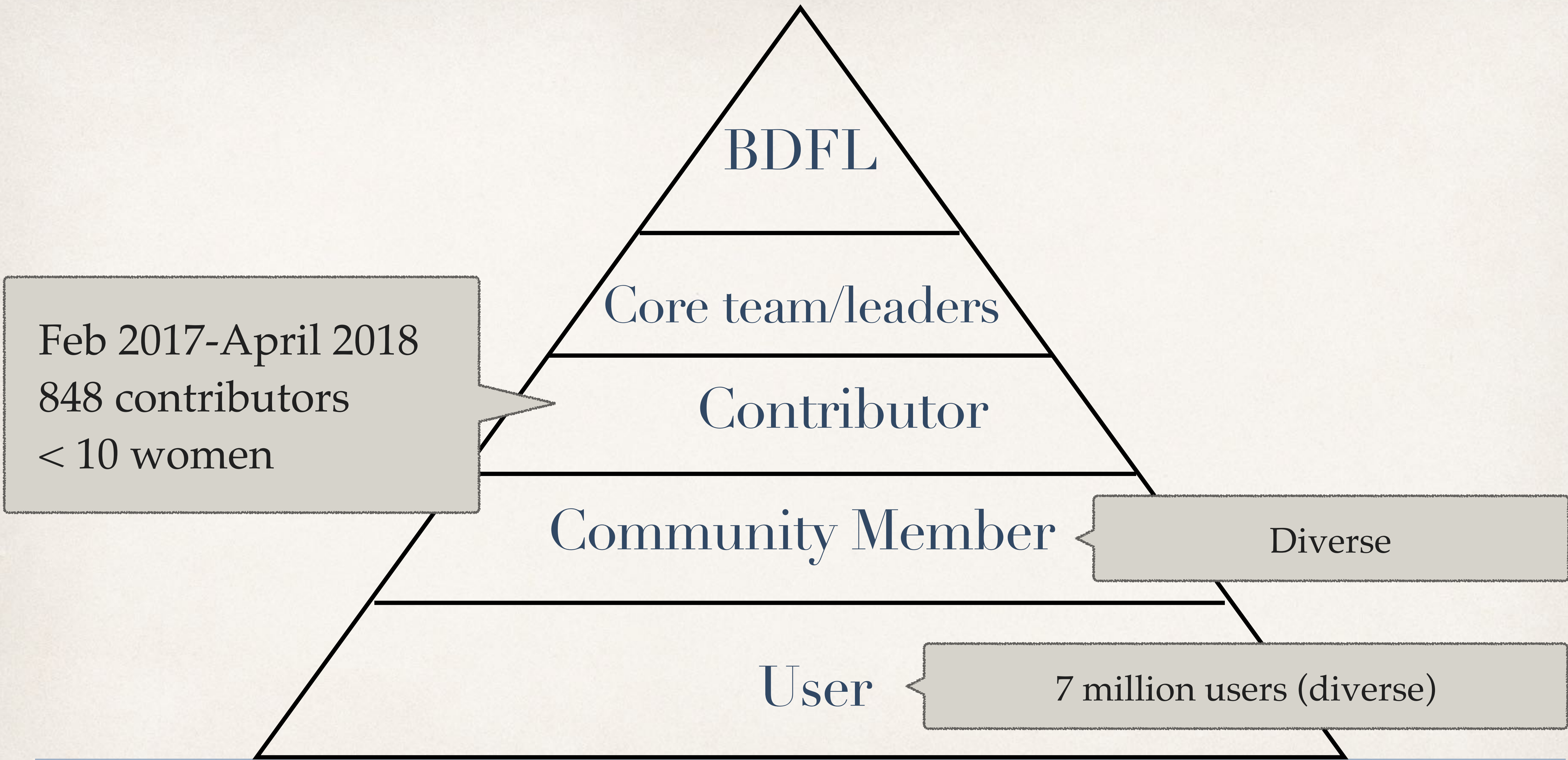




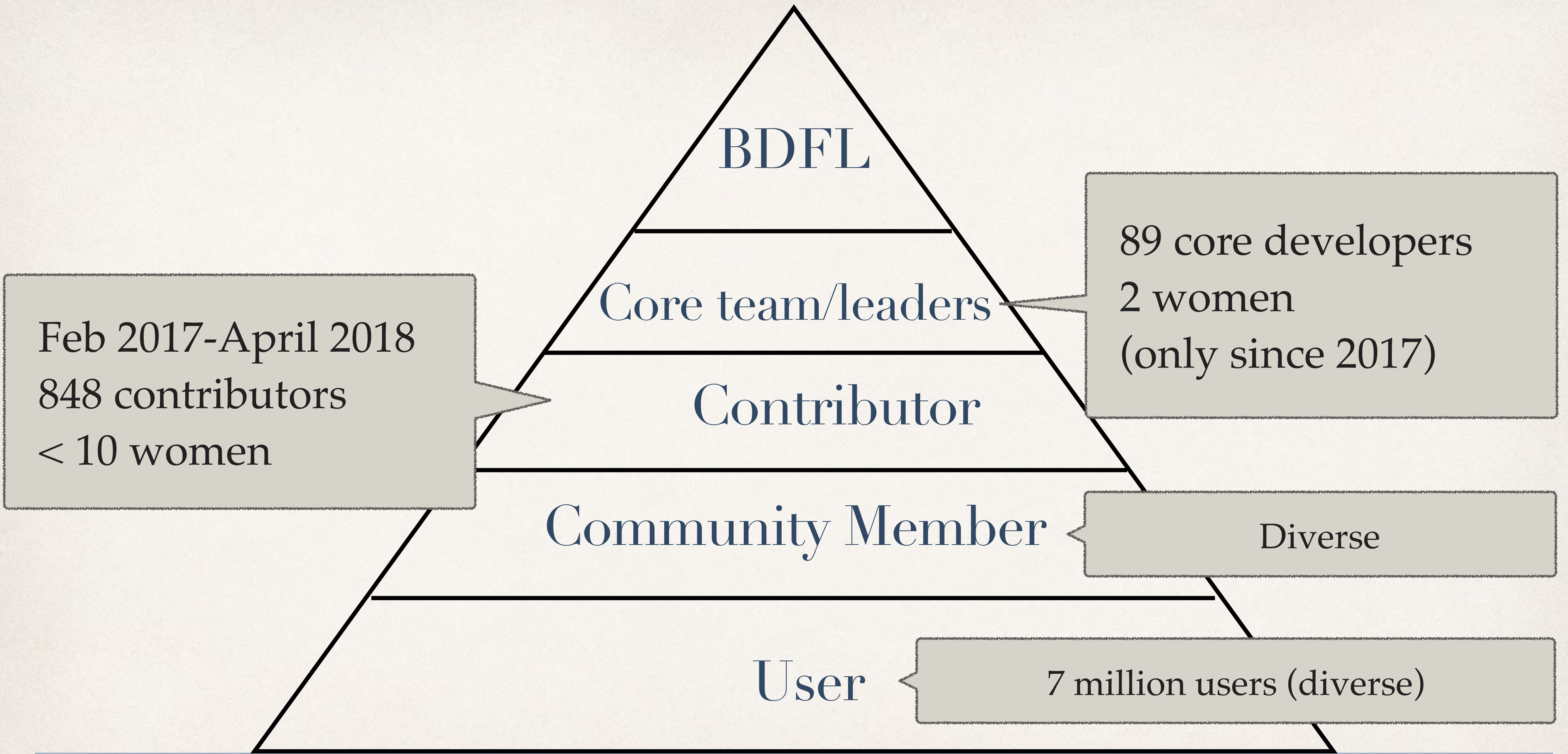




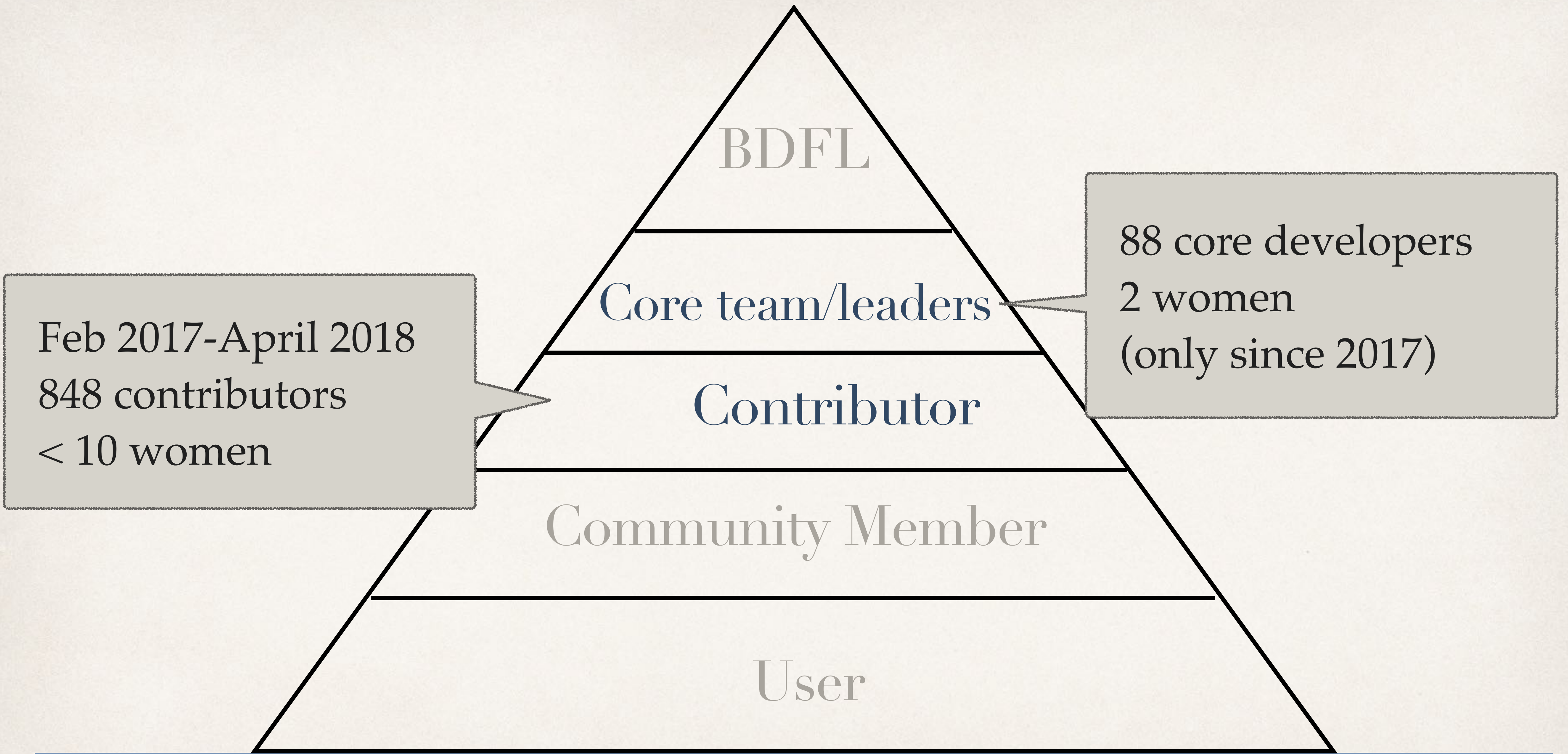














# How do we get more women contributors?

idk ...







Sage Sharp

<https://otter.technology>

Diversity and Inclusion Consulting



# Professional advices:

- Identify the problems
- Participation by core devs



# Identifying problems:

## What barriers do women face?



# What can core devs do?

- Provide mentorship
- Office hours
- AMA sessions
- Be available privately (not just in public mailing lists)



# What can I do?

- Available privately (DM open)
- Share my experiences





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[mariatta.ca](http://mariatta.ca)



# Thanks!



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