HOW TO CONTRIBUTE BACK TO OPEN SOURCE?

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http://www.koszek.com

SILICON VALLEY CODE CAMP 2016
SAN JOSE, CA

AGENIDA

- 1. INTRO
- 2. OPEN SOURCE FACTS
- 3. FIRST STEPS
- 4. USER -> CONTRIBUTOR
- 5. HOW TO COMMUNICATE
- 6. SUMMARY

1

Intro

Question A: What's your favourite open source tool?

Question B: How often do you use it?

Question C: How often do you have an issue of some sort with it?

Question D: Any companies interested in contributing?

How much would it cost you to reinvent the wheel...

bug free

Open Source

Story.

2006-2010 = FreeBSD

That was "for fun"

Then came a job

and then came a break

reasons?

procrastination

perfectionism

fear of publishing

tear of trade secrets/IP

Open Source facts

It's all volunteers with scarce time

it's more about free software than you

Imperfect tool is better than none

Even bad public tools have a value - code reference

Do you really care when people make mistakes?

I don't

Then I stumbled upon..



Write Code Every Day

Last fall, work on my coding side projects came to a head: I wasn't making adequate progress and I couldn't find a way to get more done without sacrificing my ability to do effective work at Khan Academy.

There were a few major problems with how I was working on my side projects. I was primarily working on them during the weekends and sometimes in the evenings during the week. This is a strategy that does not work well for me, as it turns out. I was burdened with an incredible amount of stress to try and complete as much high quality work as possible during the weekend (and if I was unable to it felt like a failure). This was a problem as there's no guarantee that every weekend will be free – nor that I'll want to program all day for two days (removing any chance of relaxation or doing anything fun).

There's also the issue that a week between working on some code is a long time, it's very easy to forget what you were working on or what you left off on (even if you keep notes). Not to mention if you miss a weekend you end up with a two week gap as a result. That massive multi-week context switch can be deadly (I've had many side projects die due to attention starvation like that).

Inspired by the incredible work that <u>Jennifer Dewalt</u> completed last year, in which she taught herself programming by building 180 web sites in 180 days, I felt compelled to

And books

Chescophine Make 164

Revised and Expanded More Than One Million Copies Sold

On Writing Well

The Classic Guide to Writing Nonfiction

30TH ANNIVERSARY EDITION

William Zinsser

Copyrighted Malerial

Copyrighted Material "A one-ofa-kind classic." -The Wall Street Journal

A MEMOIR OF THE

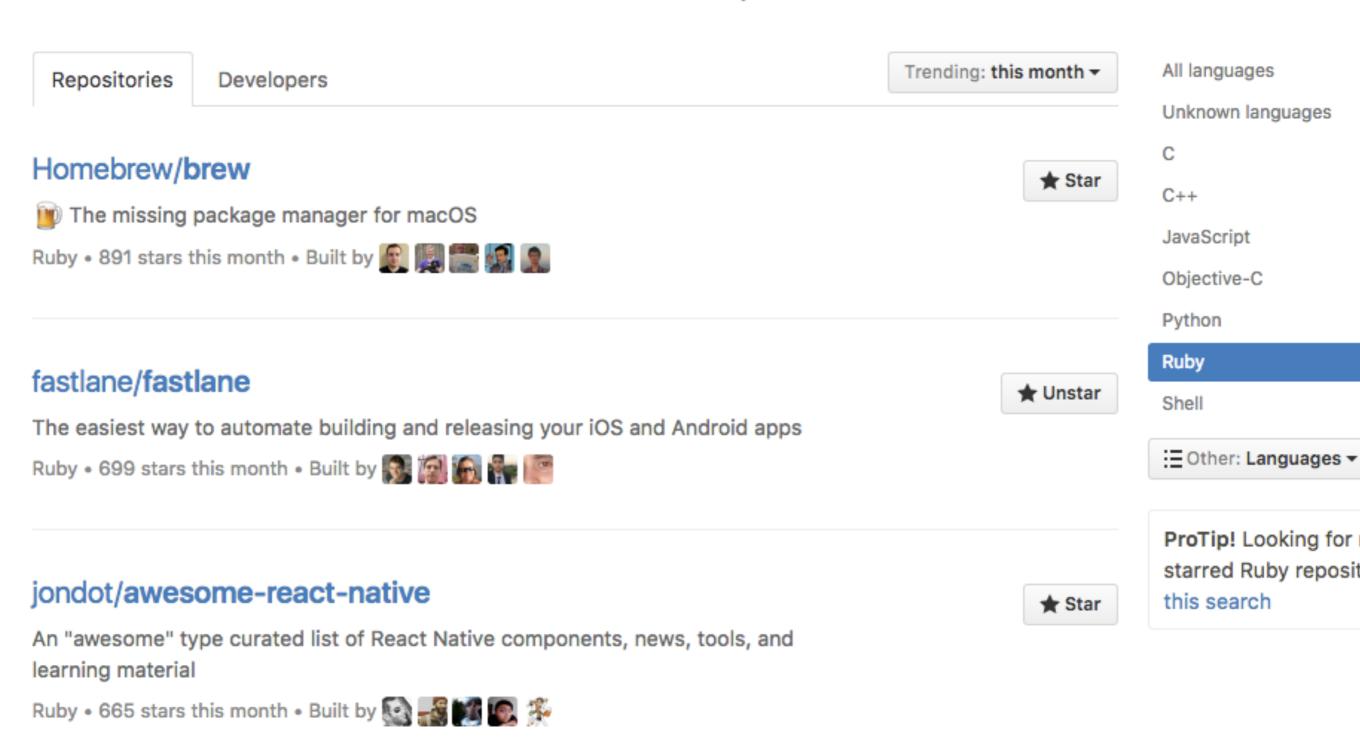
3 First steps

"What should I work on?"

"How about..."

Trending in open source

See what the GitHub community is most excited about this month.



testdouble/suture



These are complex

Pick the idea for your project

Project is the best. Easier to see the pieces you need.

Plus you have a

target

Mine was my website

Wojciech Adam Koszek

Blog

Reading

Papers

About me



Contact

@wkoszek

in LinkedIn

Github

RSS

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Subscribe for updates

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Tags

books article Blog

Jul 25, 2016

Dealing with large jobs on Travis-Cl

Jul 11, 2016

What I learned from connecting 60 projects to CI syste

Jun 27, 2016

What Docker really is

May 16, 2016

Use as few tools as possible

Apr 18, 2016

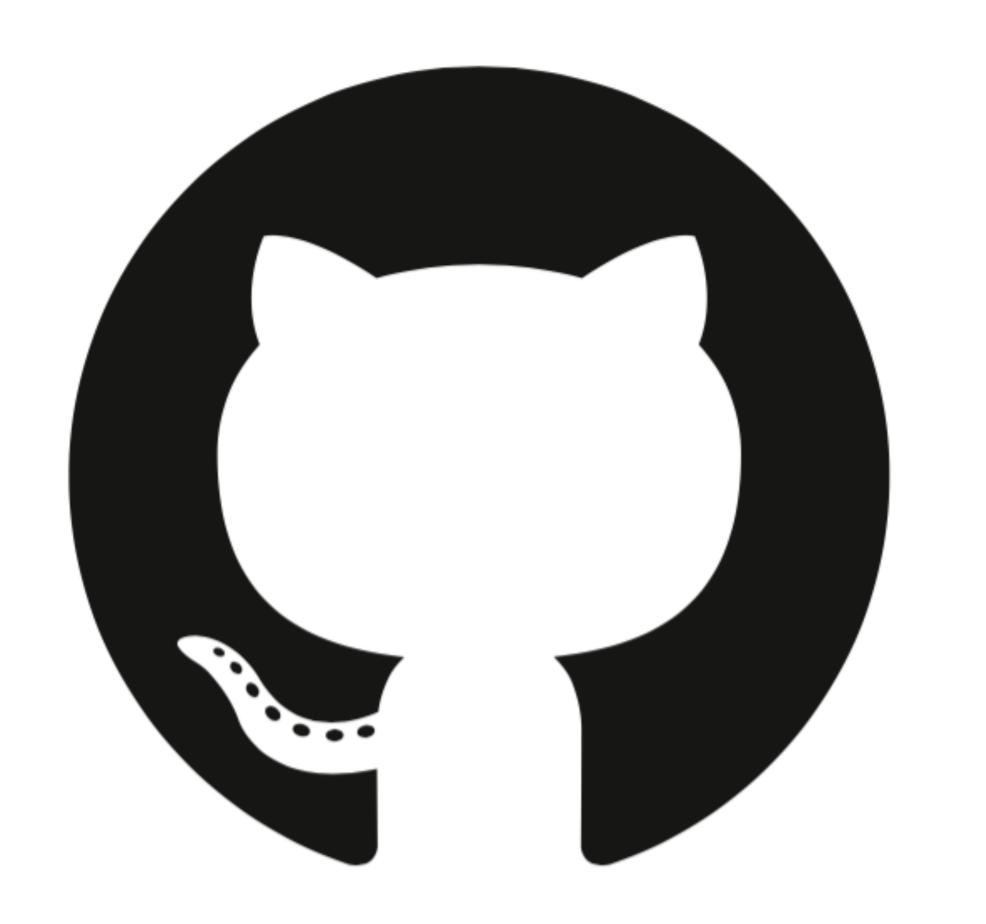
How to ask questions on Stack Overflow?

Website is good = immediate gratification

Small = easy to see all elements

And nobody sees your mistakes

Then publish everything



Most people feel publish = Internet boom and becoming exposed

Tuth?

Nobody notices

Use a simple project as a battlefield

GitHub is perfect for this.

Easy to create and to remove repositories

2nd choice: GitLab



GitLab

Free private repositories

Pretty much everything free

4.
User → Contributor

Become a user 1st is a good idea

You know what you want

Example of the process:

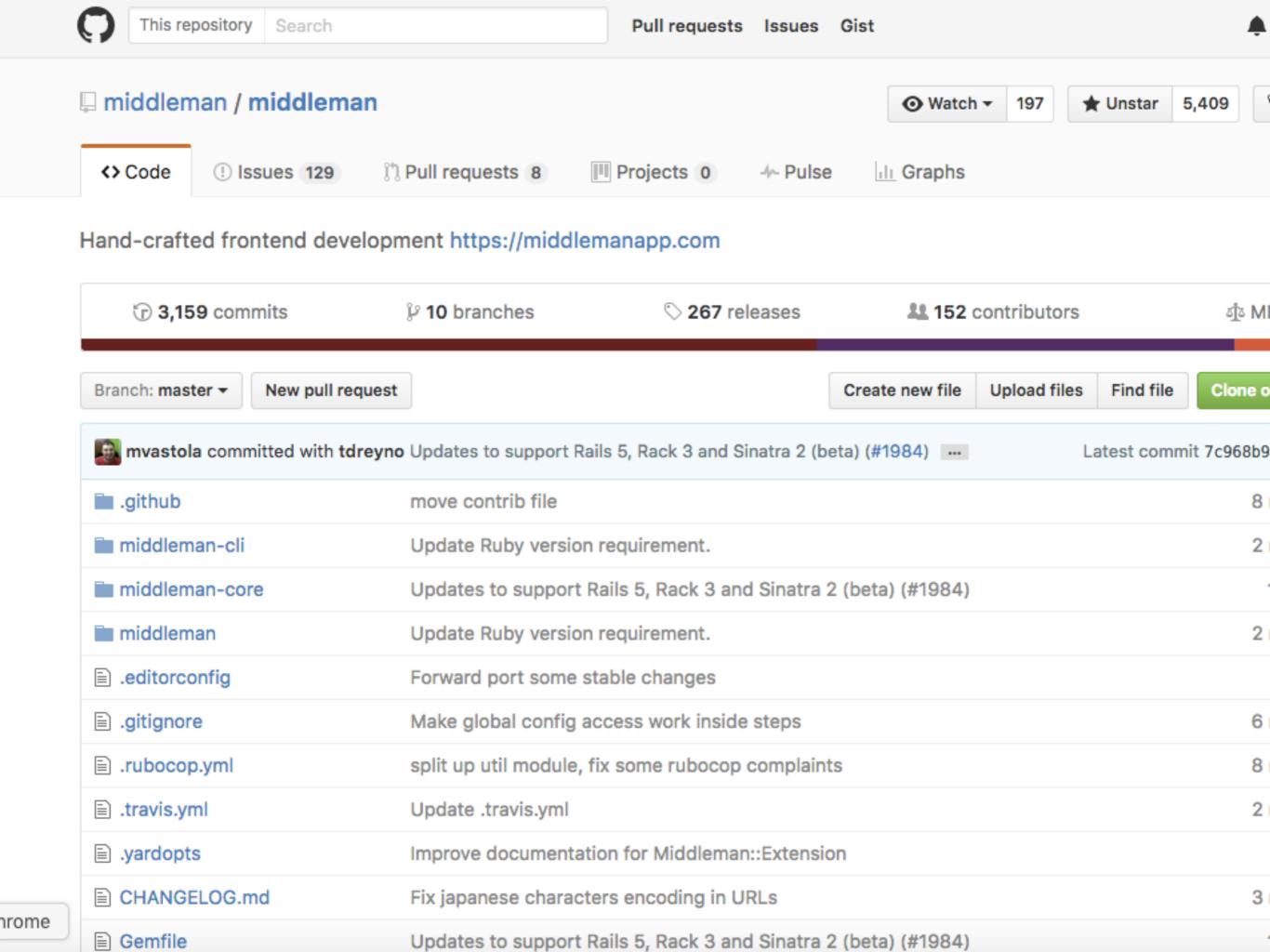
Website

Say to yourself:

"What do I need for my project"

Static page generator

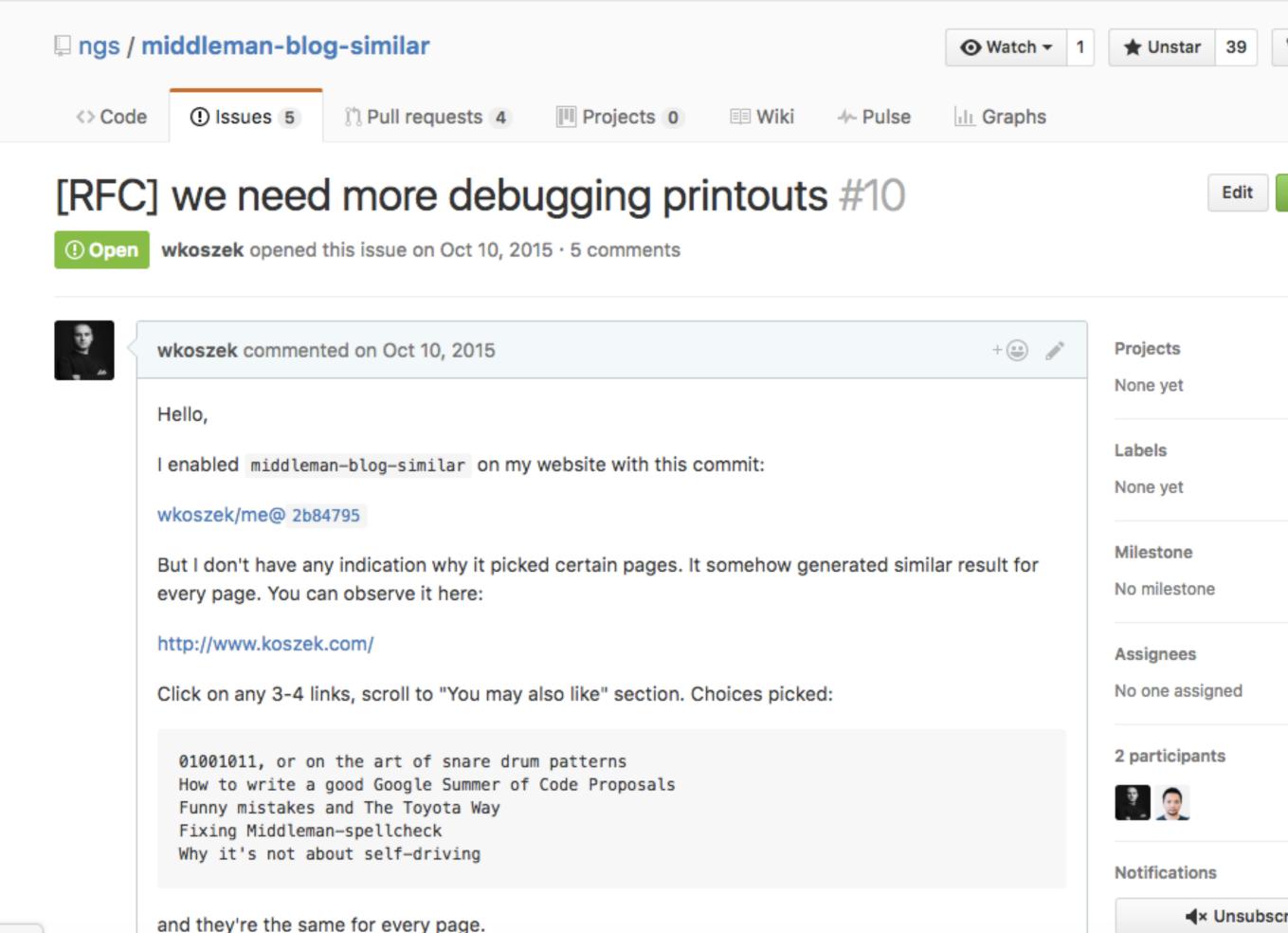
I used Middleman



How about I use some plugins?

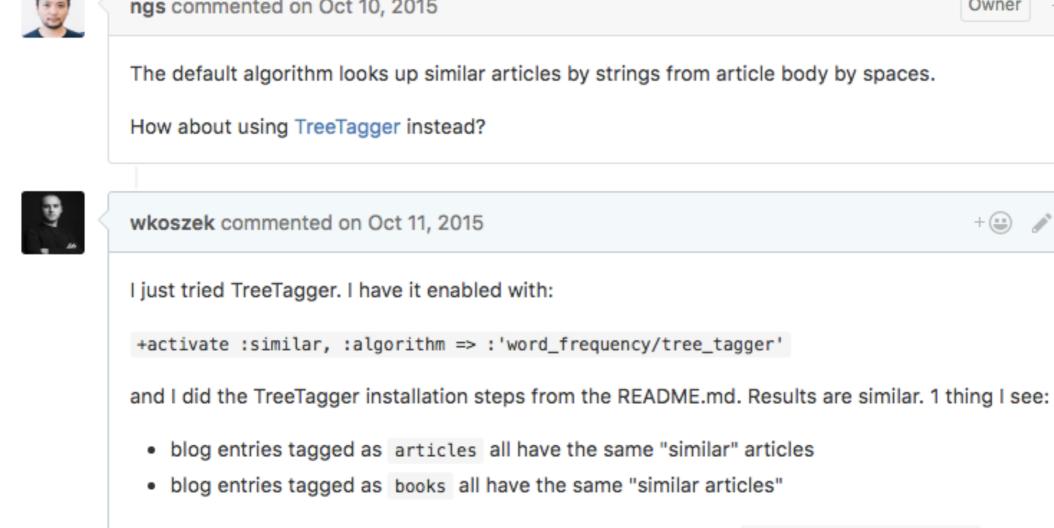
```
1 # If you have OpenSSL installed, we recommend updating
2 # the following line to use "https"
3 source 'http://rubygems.org'
5 gem "middleman", "~> 3.3.12"
6 gem "middleman-blog", "~> 3.5.3"
7 gem "middleman-blog-drafts"
8 gem 'middleman-blog-similar'
9 gem "middleman-minify-html"
10 gem "middleman-deploy"
11 gem "middleman-livereload"
12 gem "middleman-gh-pages"
13 gem "middleman-syntax"
14 gem 'middleman-imageoptim'
15 gem 'middleman-search_engine_sitemap'
16 gem 'middleman-sitemap-ping'
17 gem 'middleman-build-reporter'
18
19 # Let me do spellcheck development easily.
20 if ENV.include?("DEV") then
     File.delete("middleman-spellcheck")
21
     File.symlink("../middleman-spellcheck", "middleman-spellcheck")
22
     gem "middleman-spellcheck", '~> 0.9.2', :path => "middleman-spellcheck"
23
24 else
     gem "middleman-spellcheck", '~> 0.9.2',
25
           :git => "https://github.com/wkoszek/middleman-spellcheck.git",
26
27
           :branch => "nil_words_fix"
28 end
29
30 # HTML/CSS stuff.
31 gem 'bourbon'
32
33 # Testing
34 gem 'capybara'
35 gem 'selenium-webdriver'
36 gem "chromedriver-helper", "0.0.6"
```

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me

You're receiving notific



Is this normal? Do you have any other website where I could see middleman-blog-similar used?



wkoszek commented on Oct 19, 2015

@**ngs** ping. :-)



hrome

wkoszek commented on Nov 3, 2015

@ngs Ping. I didn't really get any better results with Tree Trigger. Do you think we could work on an improved documentation? I'd like to try 2 strategies:

- · random selection
- semi-random based on tags of articles.

Projects

None yet

Labels

None yet

Milestone

No milestone

Assignees

No one assigned

2 participants



Notifications

∢× Unsub

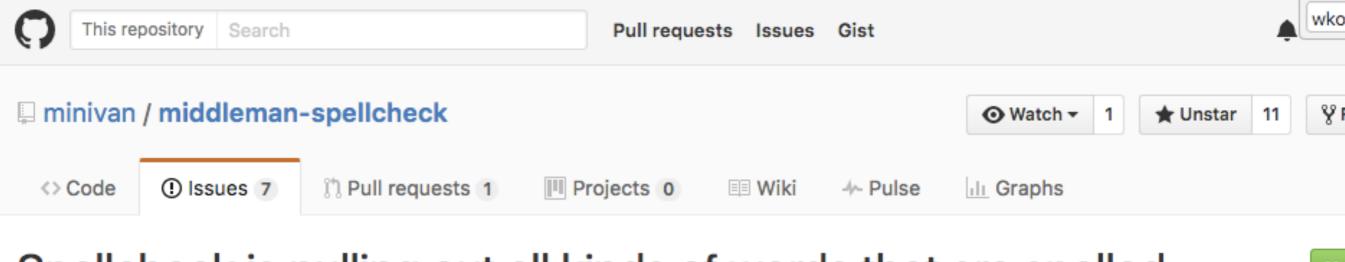
You're receiving no because you autho

No answer. Probably project is dead

Next

Spellchecker?

```
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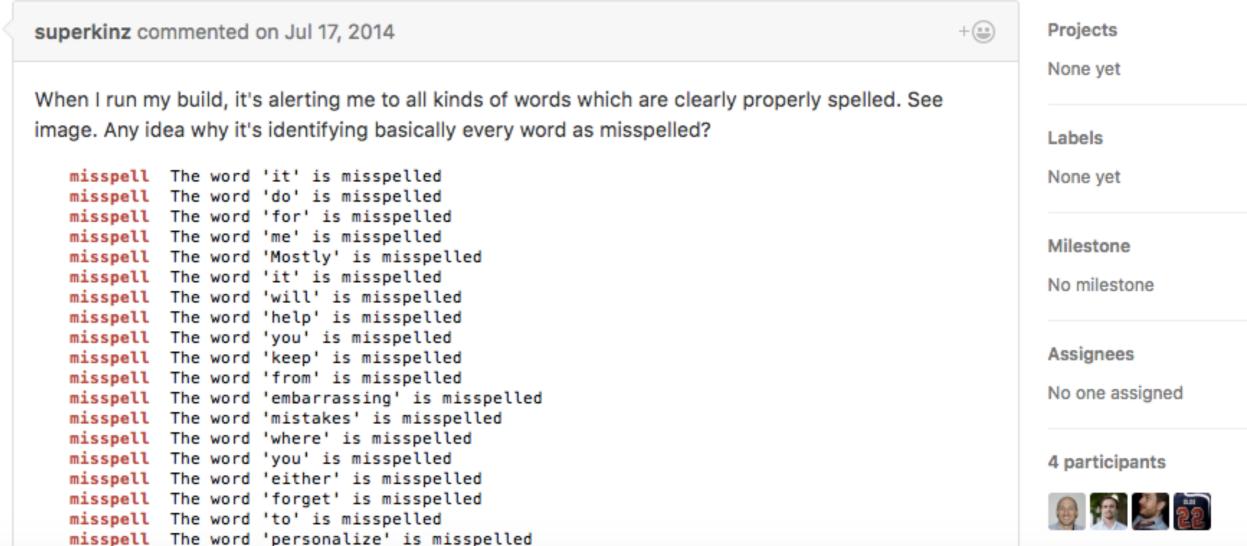


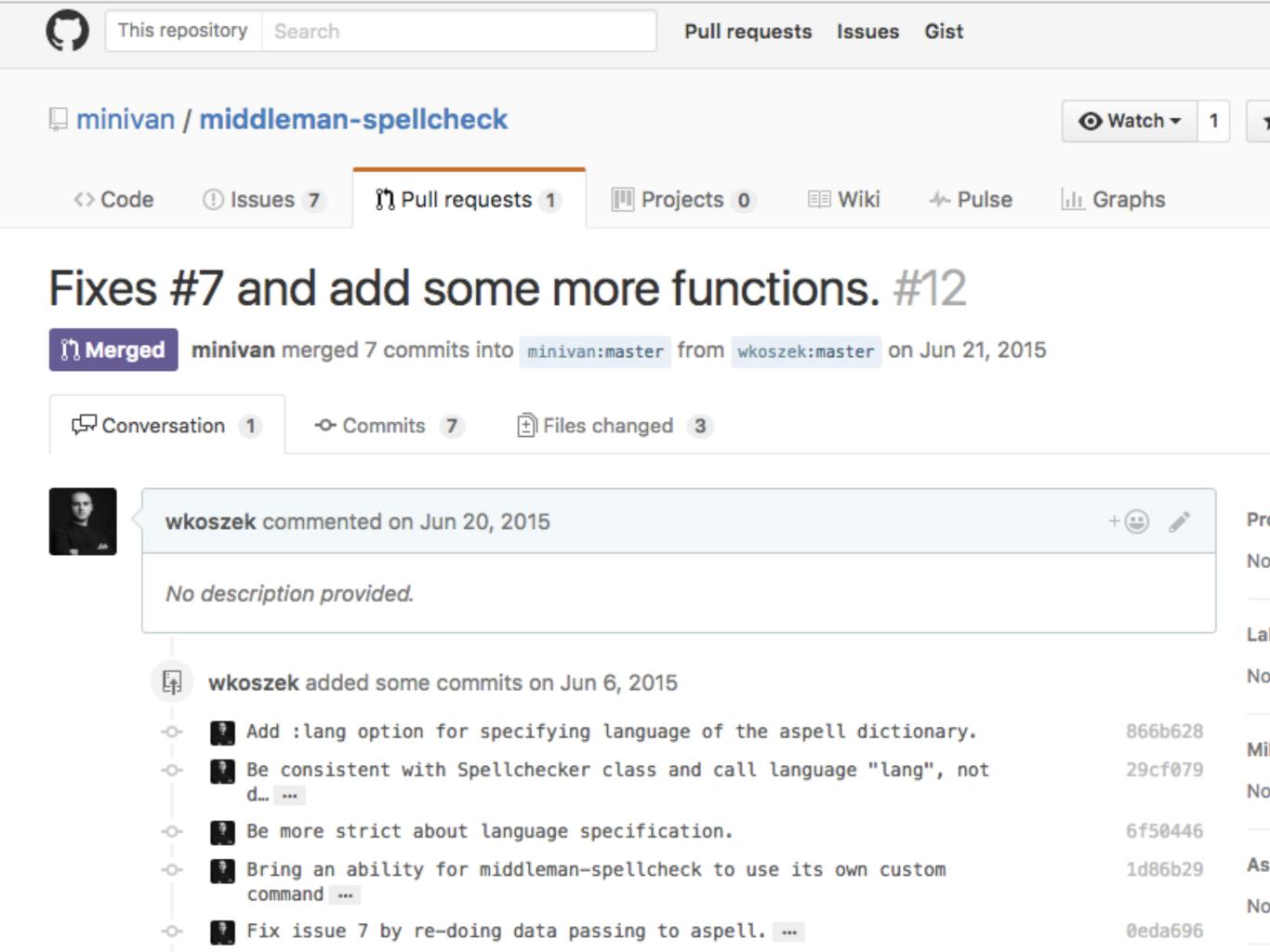
Spellcheck is pulling out all kinds of words that are spelled correctly #7

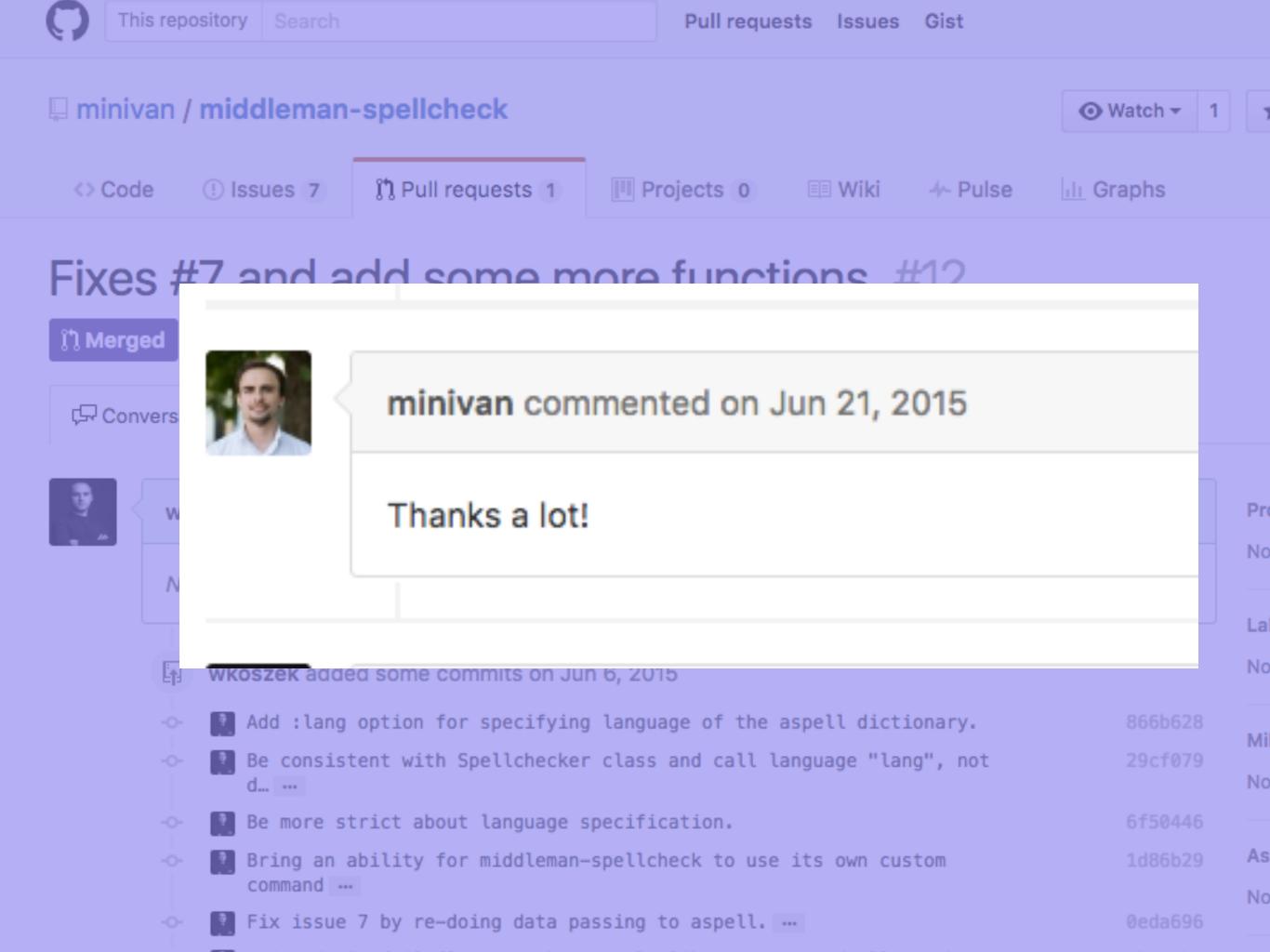
(F) Closed superkinz opened this issue on Jul 17, 2014 · 9 comments

' rt' is misspelled









Spellcheck-allowed from each article's frontmatter #18



minivan merged 16 commits into minivan:master from wkoszek:frontmatter_spell on Nov 18, 2015

Conversation 1

-O- Commits 16

files changed 3



wkoszek commented on Nov 10, 2015





Fixes issue #14

I want to be able to white-list some words on the per-article basis. I use spellcheck-allow for this. Basically the user specifies the words she/he reviewed and knows they're fine.



wkoszek added some commits on Oct 28, 2015



Add author section

400c846



Merge branch 'master' of github.com:minivan/middleman-spellcheck

b52cd21



Add spellcheck-allow keyword to the frontmatter.

a5194b2



Add some documentation for spellcheck-allowed.

c2618ee



wkoszek changed the title from Frontmatter spell to Spellcheck-allowed from each article's frontmatter on Nov 10, 2015

Spellcheck-allowed from each article's frontmatter #18

☼ Merged

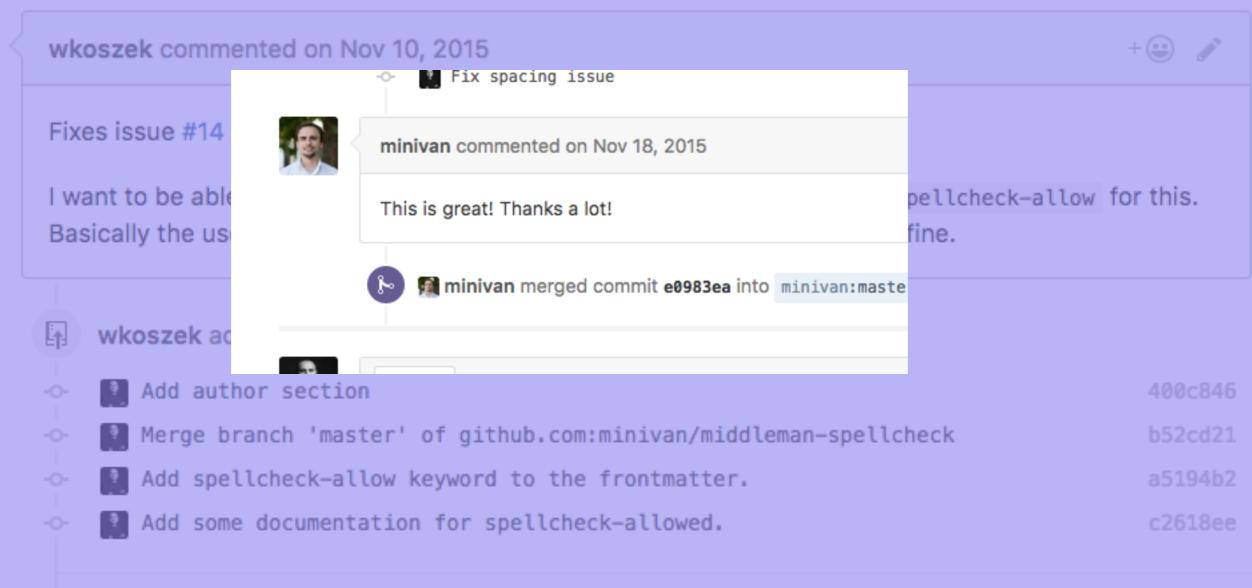
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5

HOW to

communicate

Software > Code

Bug database

Be polite

Agile board (kanban)

GitHub "Projects"

Documentation

Extremely important

Tests

Translations

Promotional material

For companies:

Ask peers around you

Ask your Legal Team first!

Experiences from the current company:

Amount of value from open source = gigantic

Most of the custom stuff we added could/will be open sourced

Already taking advantage from CocoaPods/Homebrew

Summary

Start small

Your projects and then small open source stuff

At least that's

what I did

nen you have more work than you want

Overview

Repositories 97

Search repositories...

21 results for forked repositories

Current pet

project

```
pod 'Fabric'
pod 'Crashlytics'
pod 'AWSCore'
pod 'AWSS3'
pod 'AWSCognito'
pod "Lock", :inhibit_warnings => true
pod "JWTDecode"
pod "SimpleKeychain"
pod "NSLogger"
pod 'GBDeviceInfo', '~> 3.5'
pod 'BZipCompression', '~> 1.0.0'
pod "MPMessagePack"
pod 'JTCalendar', '~> 2.0'
pod 'InAppSettingsKit'
pod 'DZNEmptyDataSet'
pod 'GCNetworkReachability'
pod 'GroundControl', :git => 'https://github.com/wkoszek/GroundControl.git'
pod 'FontAwesome+iOS'
pod 'Whisper'
pod "Realm"
```

the end