My story with Python and Open Source

Nicola Iarocci / @nicolaiarocci

Who I am

a weirdo

Python by Night

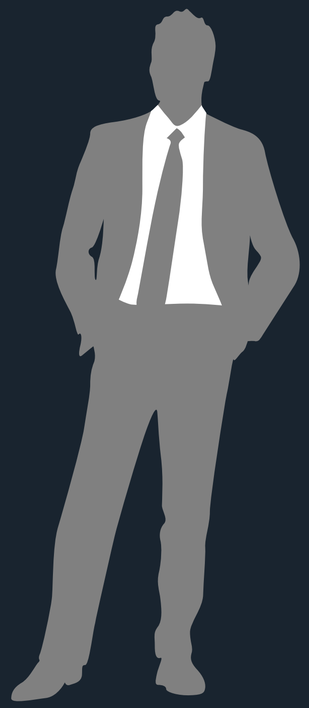
I am the author and maintainer of a few Python open source projects: python-eve.org, python-cerberus.org, and more.

C# by Day

I am the author of Sofware Gestionali Amica, a line of accounting and invoicing applications for Italian small businesses. Check it out at http://gestionaleamica.com

Speaker

At local and international conferences



Microsoft MVP
MongoDB Master

I also happen to be a Microsoft MVP for Visual Studio and Development Technologies and a MongoDB Master.

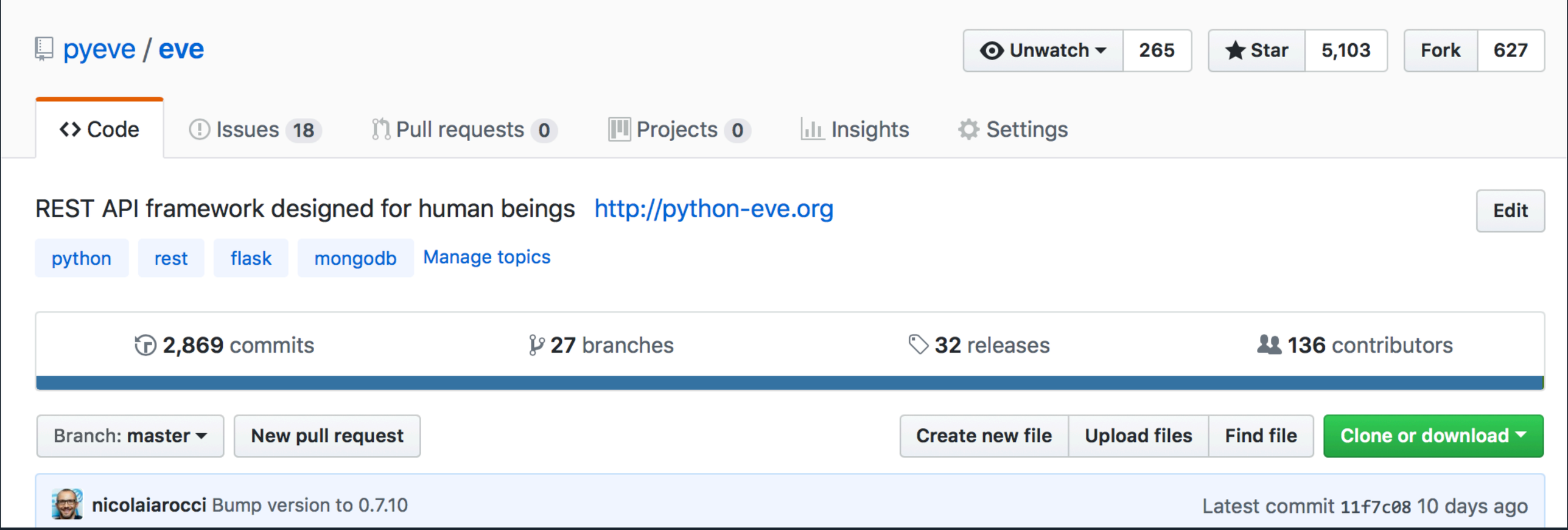
Communities

I run DevRomagna, a developers community, and CoderDojo Ravenna, a coding club for kids. http://devromagna.org

Teacher and Consultant

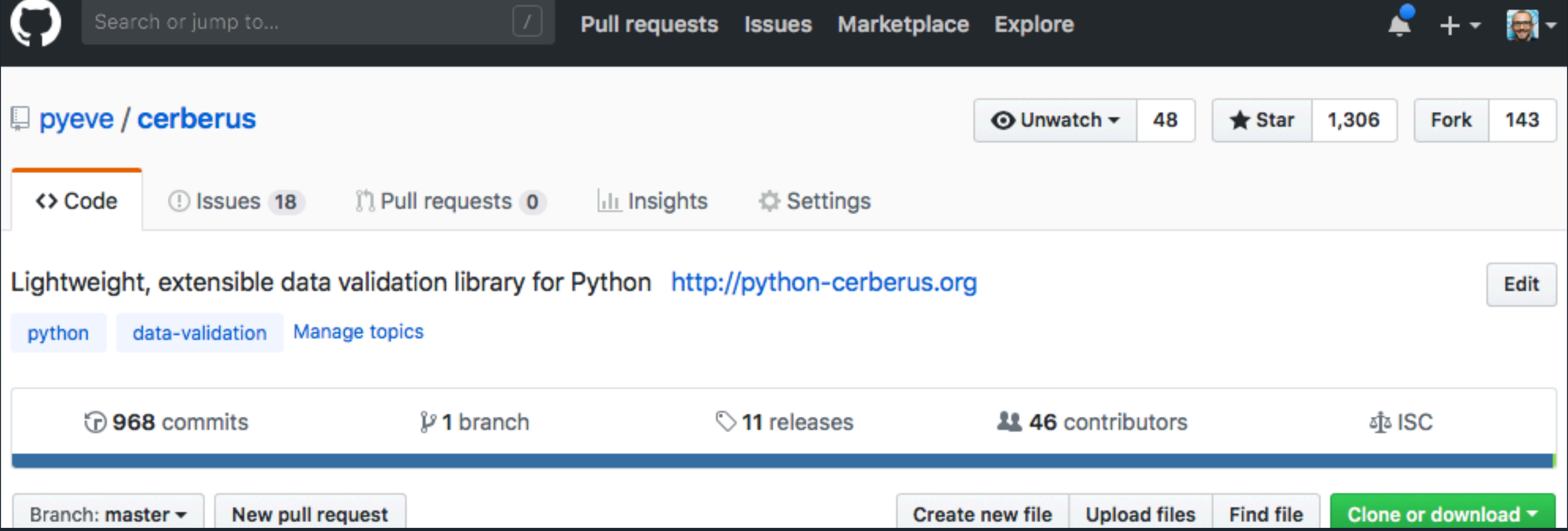
Languages, metodologies, best practices, etc.

How I got into Python and Open Source



Eve

RESTful API for human beings



Cerberus

Lightweight extensible data validation for Python

eve

REST API framework designed for human beings

http://python-eve.org

Pinned repositories

Customize pinned repositories

eve

REST API framework designed for human beings

Python ★ 5.1k 627

cerberus

Lightweight, extensible data validation library for Python

Python ★ 1.3k 143

eve-demo

A fully functional REST Web API. Powered by Eve.

Python ★ 213 72

eve-swagger

Swagger extension for Eve-powered RESTful APIs

Python ★ 99 28

eve-sqlalchemy

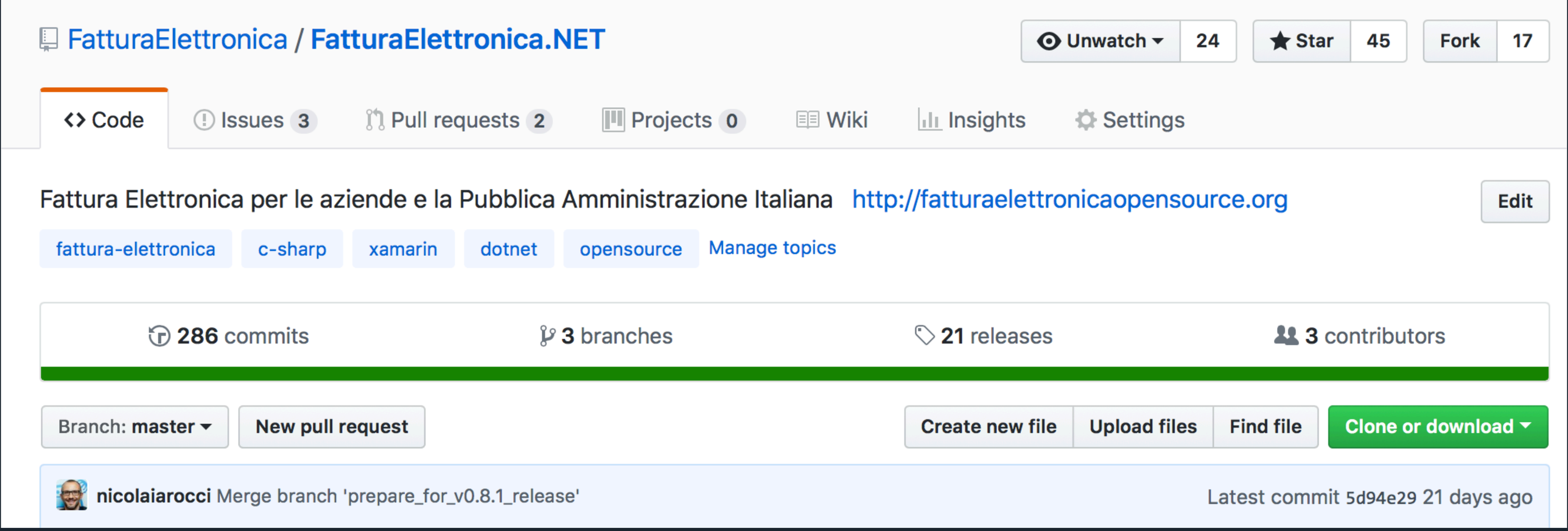
SQLAlchemy data layer for Eve-powered RESTful APIs

Python ★ 174 55

flask-sentinel

OAuth2 Server bundled as a Flask extension

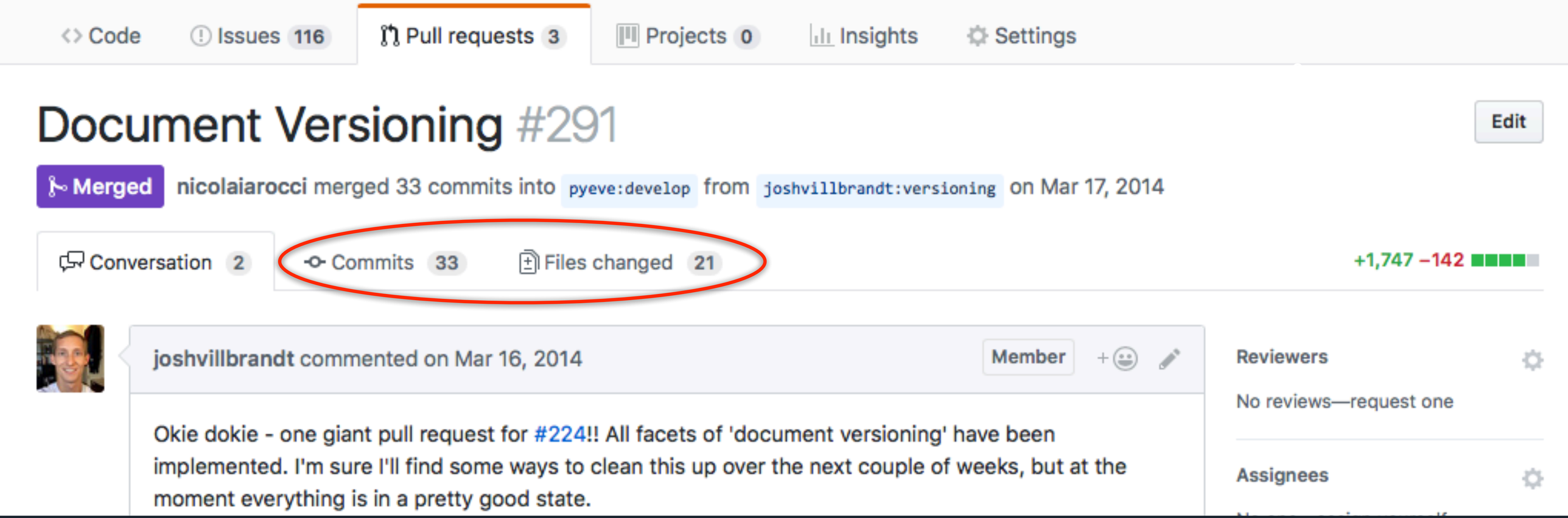
Python ★ 130 31



FatturaElettronica C#

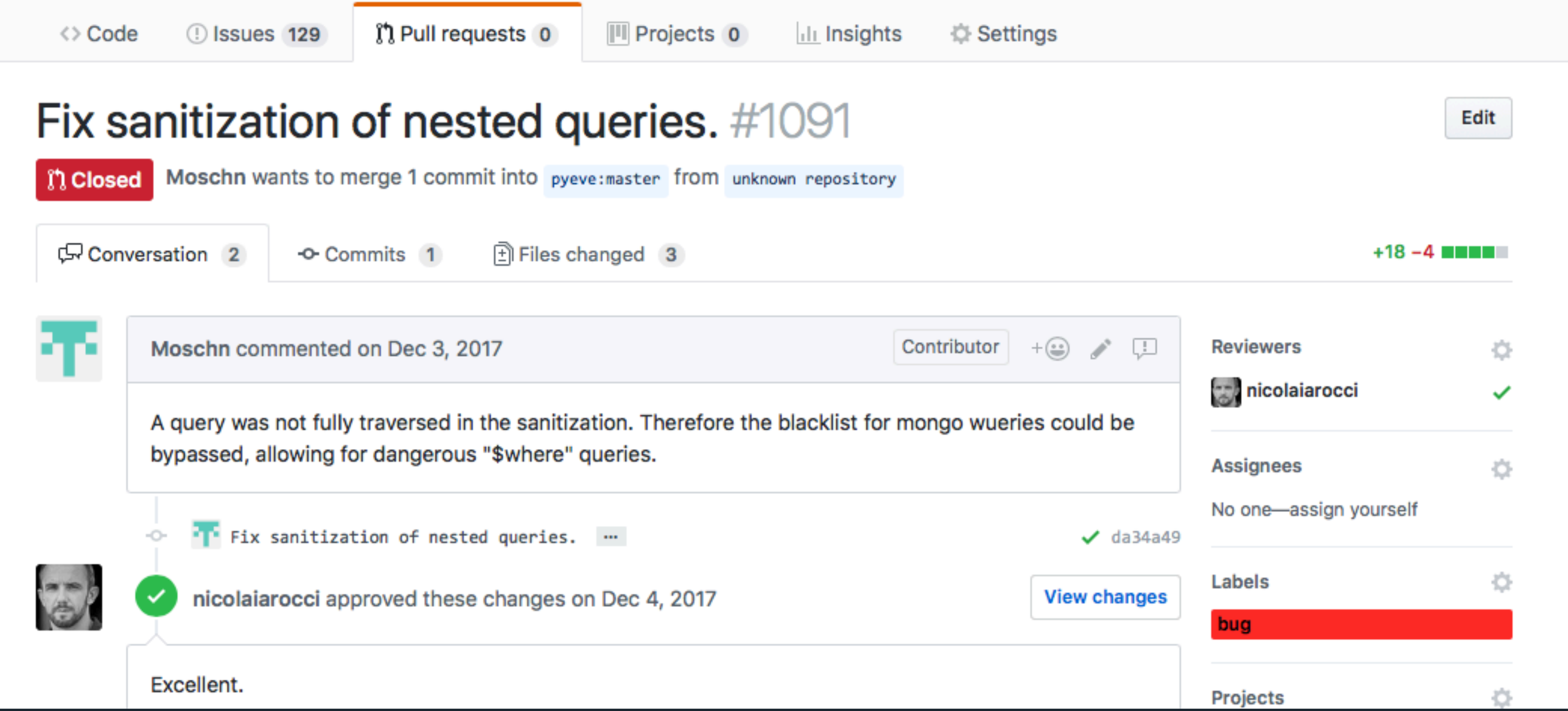
Per le aziende e la Pubblica Amministrazione

pros and cons



New Features

for free



Bug Fixes

before you find out about them

Quality & Longevity

more eyes see more

Fluent API #6

Edit | New issue

Open nicolaiarocci opened this issue on Mar 16 · 8 comments

nicolaiarocci commented on Mar 16 — Owner

Would be nice to have a fluent API, whereas now we are just passing arguments to the GET method. I guess what I have in mind is something like `client.Get(url).Where(customer => customer.Name=='John').Sort(...)`.

That's going to be quite a lot of work, and I am not sure it is really worth it. Also, I don't have the time to work on this right now. Up for grabs!

pedro2555 commented on Mar 16 • edited — Contributor

Mongo driver for .NET implements such a thing, by the name of `Builders` or `DefinitionBuilder` (depending where you're reading).

Specifically the `FilterDefinitionBuilder` seems to to do exactly as you suggest. Not really sure how

Assignees

No one—assign yourself

Labels

None yet

Projects

None yet

Milestone

No milestone

Notifications

Unsubscribe

Community

build an active community around your project (design and implementation, word of mouth, safety net, etc.)

sergekir commented on Sep 4, 2017 — Contributor

English is not my first language but I can try :)

So, there is a part called `MongoDB Aggregation Framework` but there is nothing about templates are only for `dicts`. Or should I provide an example for `list` with parameters?

Amedeo91 commented on Sep 4, 2017

Well, maybe just add a note where you underline that the api consumer can specify parameter either

0.8

Notifications

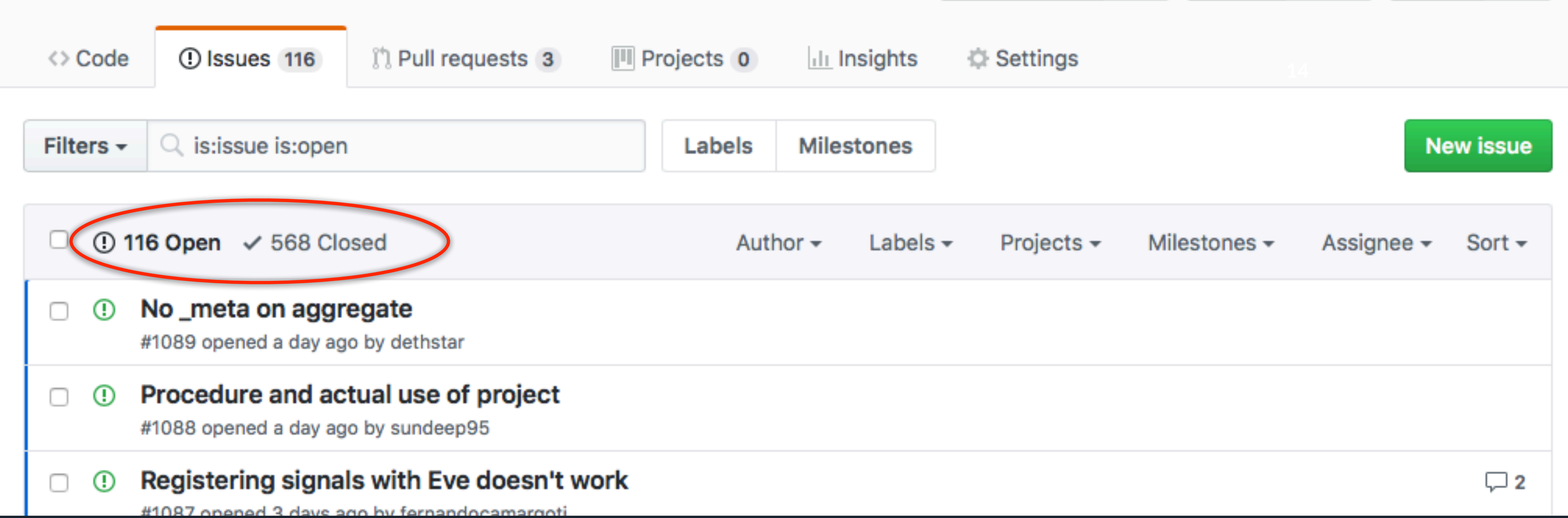
Unsubscribe

You're receiving because you m open/close stat

3 participants

Language & Cultural Barriers

in an international community communication can be a challenge, also a chance to learn



Maintenance

after the initial excitement maintenance can (and will) become a burden

Nicola Iarocci is creating Eve and Cerberus

Overview Posts Community

BECOME A PATRON

3
patrons

$3
per month

+ FOLLOW SHARE

Eve is an open source Python REST API framework designed for human beings. **Cerberus** is a lightweight data validation library for Python. Eve makes building and deploying RESTful services super-simple and yet, it provides a huge set of powerful features out of the box such as:

- Full range of CRUD operations, bulk insertions included
- Filtering, Sorting, Pagination, HATEOAS
- JSON and XML Rendering
- Conditional Requests

SHARE TWEET

REWARDS

Backer
$10 or more per month · 0 patrons

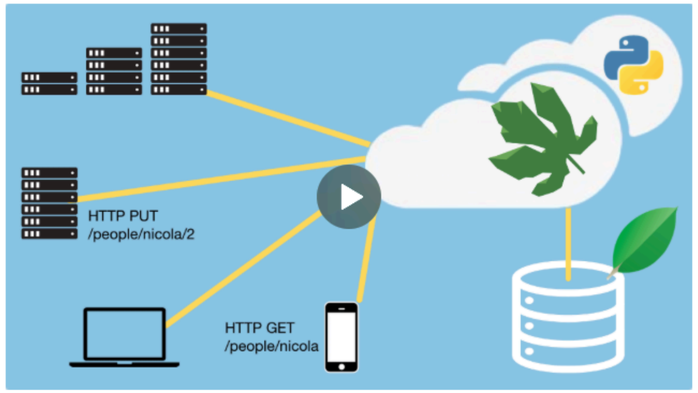
Your name will be put in the funding page on python-eve.org.

Sustainability

can be a little (!) hard

TalkPython['Training'] Courses Pricing Business The Podcast Register Log in

Eve: Building RESTful APIs with MongoDB and Flask



5.1 hours, $49 USD (own it forever)

Buy now, get lifetime access $49 | Buy the bundle, save 60% | For your team | Give as a gift

Course Summary

Eve is an open source Python REST API framework designed for human beings. It allows you to effortlessly build and deploy highly customizable, fully featured RESTful web services.

You need to get creative

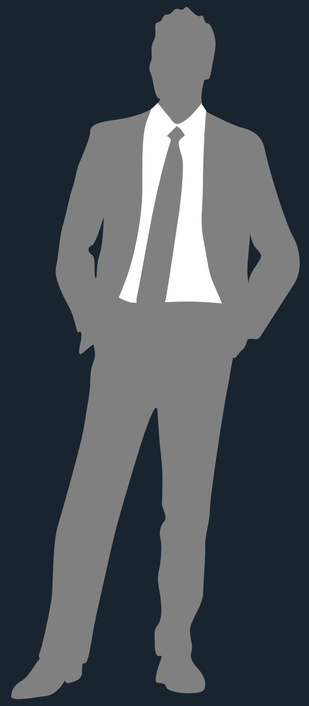
TalkPython offers a course I recorded for them

(money!)

Consequences

Who I used to be

introvert code monkey, 1991-2012



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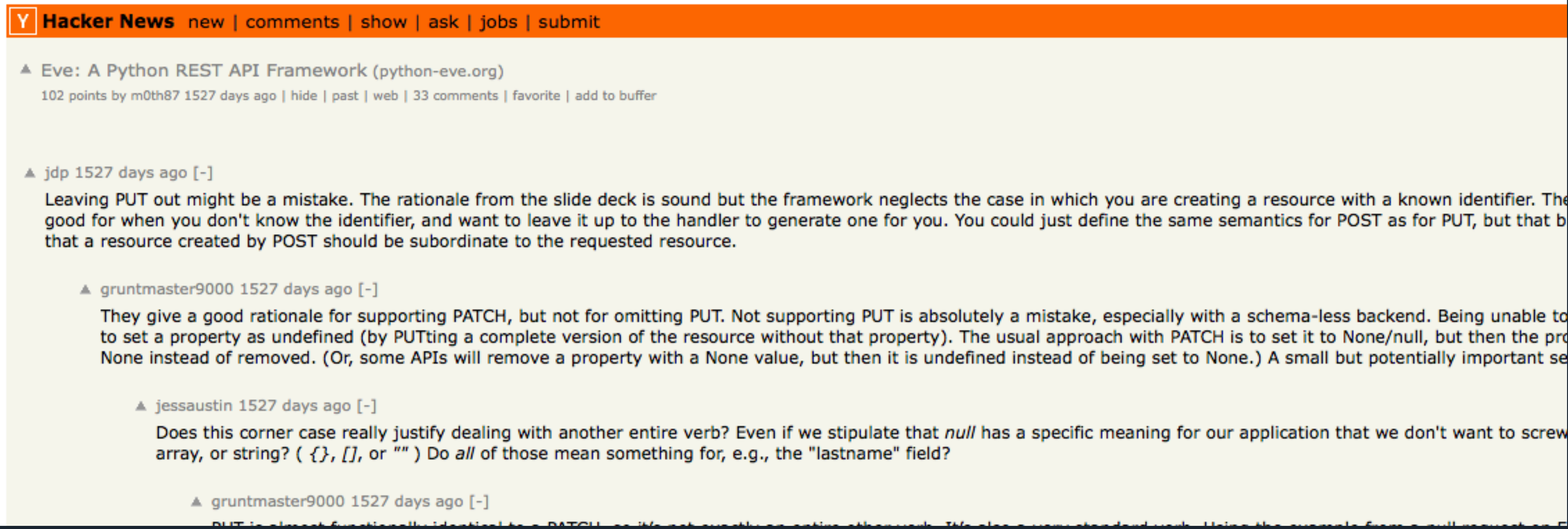


One Day

someone posted about Eve on Hacker News

Speaking

started with presenting my open source projects at local and international conferences

Consulting & Teaching

was another direct consequence of my open source activty

DevRomagna

Ravenna, Italia · 424 membri · Gruppo pubblico

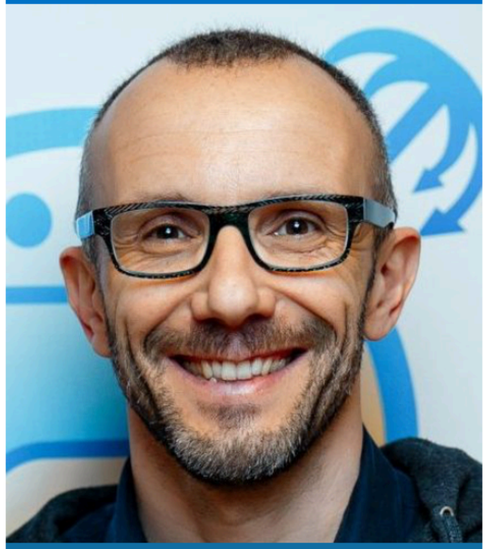
Organizzato da
Nicola Iarocci

Condividi:

Communities

DevRomagna and CoderDojo Ravenna

Microsoft® Most Valuable Professional



Award Categories
Developer Technologies

Nicola Iarocci

Italy
Ravenna, RA

Software Craftsman

Biography

Nicola is the founder of CIR2000 where he leads the Amica project, an accounting and invoicing application for the Italian small businesses. He has 25 years of professional experience in the software engineering field. He is a coder at heart, author of some well known open source projects on both .NET and Python platforms. He is a MongoDB Master, a Microsoft MVP, a speaker at local and international conferences, and trainer. Nicola lives in Ravenna, Italy, where he runs the local CoderDojo, a coding club for kids, and DevRomagna, a developers users group.

Awards

speaking and open source then got me some nice rewards

Awards

speaking and open source then got me some nice rewards

```
$ git diffc
diff —git a/README.md b/README.md
index 2fd9bc4..889c3dc 100644
--- a/README.md
+++ b/README.md
@@ -1 +1,2 @@
 TITLE
+test

$ git config —-global alias.diffc ‘diff —-cached’
```

Learn

new things every single day, and then share them

Networking

last but not least

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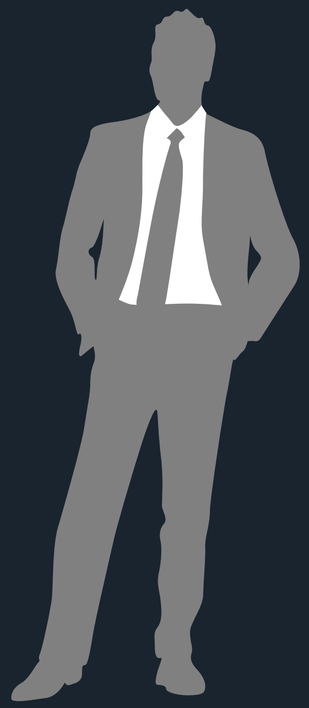

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Overview Repositories 45 Stars 109 Followers 500 Following 0

Pinned repositories

pyeve/eve

REST API framework designed for human beings

Python ★ 4.5k 573

pyeve/cerberus

Lightweight, extensible data validation library for Python

Python ★ 1.1k 119

Open Source
rocked my world

What was the first pull request you sent on GitHub?

nicolaiarocci

Minor fixes at the design documentation #71

to **schematics/schematics**

nicolaiarocci sent this pull request 6 years ago

Merged

Take it Easy

begin by contributing with a single, simple pull request

nicolaiarocci commented 9 days ago

Own

This is still waiting on proper test coverage. Are you still planning to add it?

nicolaiarocci added this to the **0.8** milestone 9 days ago

Do Your Homework

most projects won't accept code that is not covered by tests and documentation updates

nicolaiarocci commented on Jan 18

This is a rather big change.

- Net Standard 2.0
- Update test project to new API version of xBehave (and update all dependencies to latest releases)
- Drop the strong naming

Moving to Net Standard 2.0 implies dropping support for older .NET versions, such as 4.0, 4.5.x, and 4.6.0 (will do fine with 4.6.1+).

5

Reviewers

No reviews

Assignees

No one assigned

Labels

None yet

Projects

None yet

Sometimes things don’t go as planned

this pull request has been ignored for six months (and counting). It’s ok.

Cognitive Bias

contributor wanna-be is intimidated, yet there are a ton of projects out there

all striving for contributors

The truth is that there is absolutely no luck in becoming an OSS developer

You need dedication, will and grit.
Along with a strong desire to learn new things.

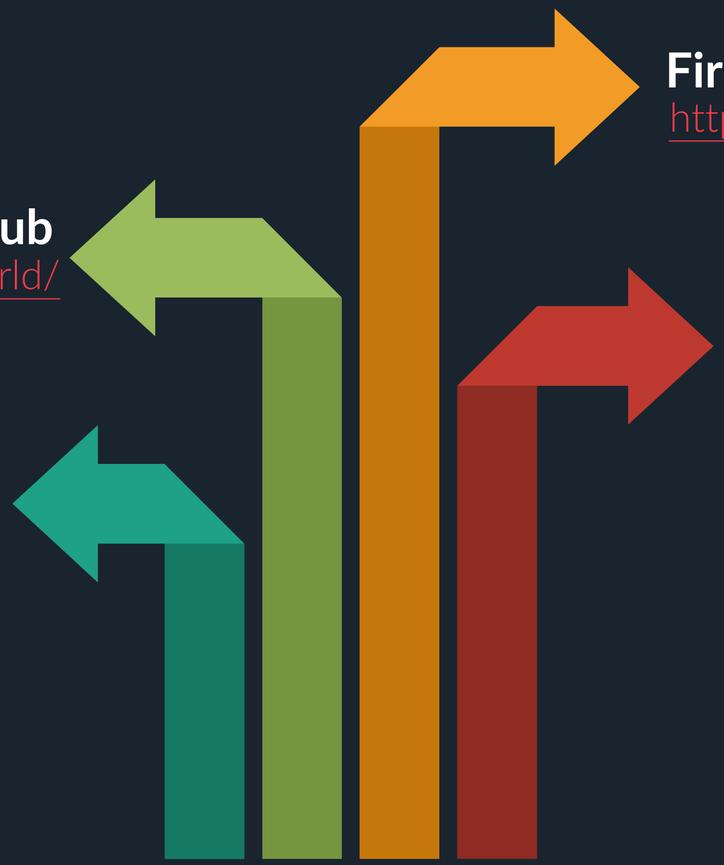
The good news is that you can become an OSS developer too

Matteo Collina

NodeJS Technical Steering Committee

Get Started!

Check out these great resources



First Timers Only
http://www.firsttimersonly.com

GitHub
https://guides.github.com/activities/hello-world/

Up for grabs
http://up-for-grabs.net/#/

How to Contribute to Open Source
https://opensource.guide/how-to-contribute/

Microsoft

Search

Visual Studio Docs | Tasks | Languages | Workloads | Product Resources | More Documentation

Docs / Visual Studio / Python

Filter by title

- Overview
- Installation
  - Install Python interpreters
- Quickstarts
- Tutorials
- Concepts
- How-to guides
- Reference

How to install Python support in Visual Studio on Windows

02/15/2018 · 5 minutes to read · Contributors

Yo!

To install Python support for Visual Studio (also known as Pyt r Visual Studio or PTVS), follow the instructions in the section that matches your version of Visual Studio:

- Visual Studio 2017
- Visual Studio 2015
- Visual Studio 2013 and earlier

For Visual Studio 2015 and earlier you also need to separately install a Python interpreter of your choice (Python 3.5 and earlier; 3.6 is not supported and generates the message "Unsupported Python version 3.6"). The same page also contains instructions for adding an existing Python interpreter to

Start from your toolchain

opportunities are probably sittting right in front of you

Thank You!

Send feedback or get in touch at:

@nicolaiarocci

nicolaiarocci.com

nicola@nicolaiarocci.com