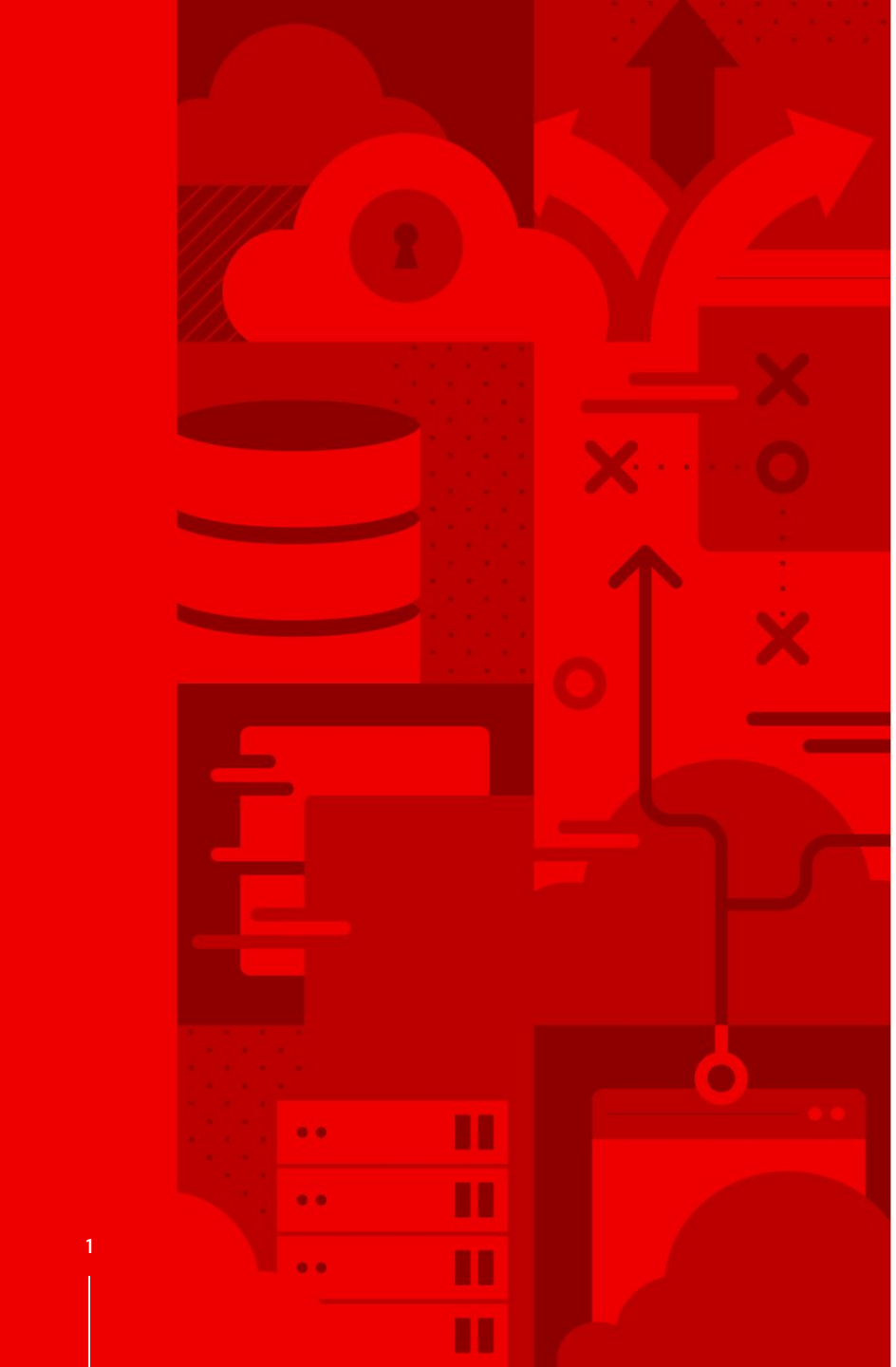


Find your dream job

Contribute to Open Source

Helber Belmiro
Software Engineer

Red Hat

$ whoami

Helber Belmiro

Software Engineer at Red Hat

Working on Kogito and CNCF Serverless Workflow

thegreatapi.com

github.com/hbelmiro

linkedin.com/in/hbelmiro

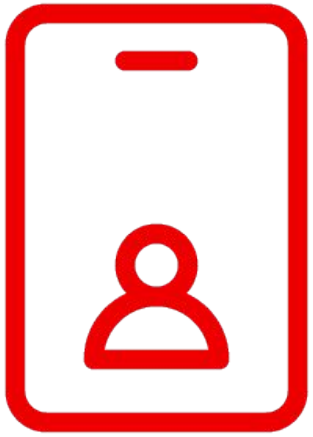
twitter.com/helber_belmiro

Red Hat

What we'll discuss today

- Why contribute to Open Source
- What is Open Source
- How to contribute
- How to start

Red Hat



What are the characteristics of your dream job?

Red Hat

Open Source provides

Networking

Work with amazing people

Receive feedback

Diversity

Help others

Build trust

Well-being

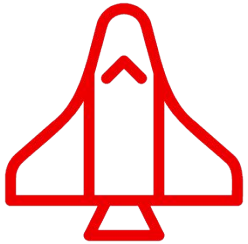
Choose a project that fulfills you

Work from anywhere

Work anytime

Improve a software you like

Fix bugs that impact you



Growth

Relevant projects

High Impact

Market visibility

Force yourself to write good code

Red Hat

What is Open Source?

“”

Open source refers to something people can modify and share because its design is publicly accessible.

opensource.com

“”

Open source software is software with source code that anyone can inspect, modify, and enhance.

opensource.com

Open source projects are by nature

- Remote
- Asynchronous
- Diverse
- Inclusive

Red Hat

Examples of open source software

Red Hat

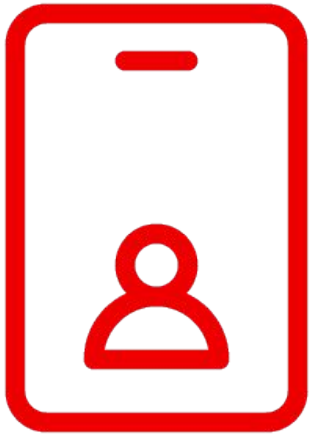
Examples of companies that make Open Source Software

Red Hat	Google	Facebook	Twitter
IBM	Apple	Amazon	Samsung
Oracle	Microsoft	Netflix	Zup

and many others.

Search for "<company_name> open source" to find projects

Red Hat



Contributing to Open Source Software is the easiest way to join one of those companies

Open Source contributors have the highest chance to be hired

Why?

- They have proven skills
  - Technical
  - Communication
  - Proactivity
  - Creativity
  - Passion
- The things they do are open, so anyone can see them

Red Hat

Let’s hire a Java developer?

Red Hat

WHAT DO WE KNOW ABOUT THIS PERSON?

Experience

Red Hat
4 yrs 7 mos

Principal Software Engineer
Dec 2020 - Present · 1 yr 8 mos

Senior Software Engineer
Jan 2018 - Dec 2020 · 3 yrs
Athens, Greece

Software Developer
Akazoo
Nov 2014 - Dec 2017 · 3 yrs 2 mos
Athens, Greece

Unlimited music, made social - Akazoo
Akazoo is a digitial music service for pc and mobile where you can listen to and share millions of songs.

Software Developer
Chrysi Eykairia Group
Apr 2012 - Nov 2014 · 2 yrs 8 mos

Software Developer
Intrasoft
May 2011 - Apr 2012 · 1 yr
Athens Greece

Software Developer
Kepyes
Sep 2010 - May 2011 · 9 mos
Athens Greece

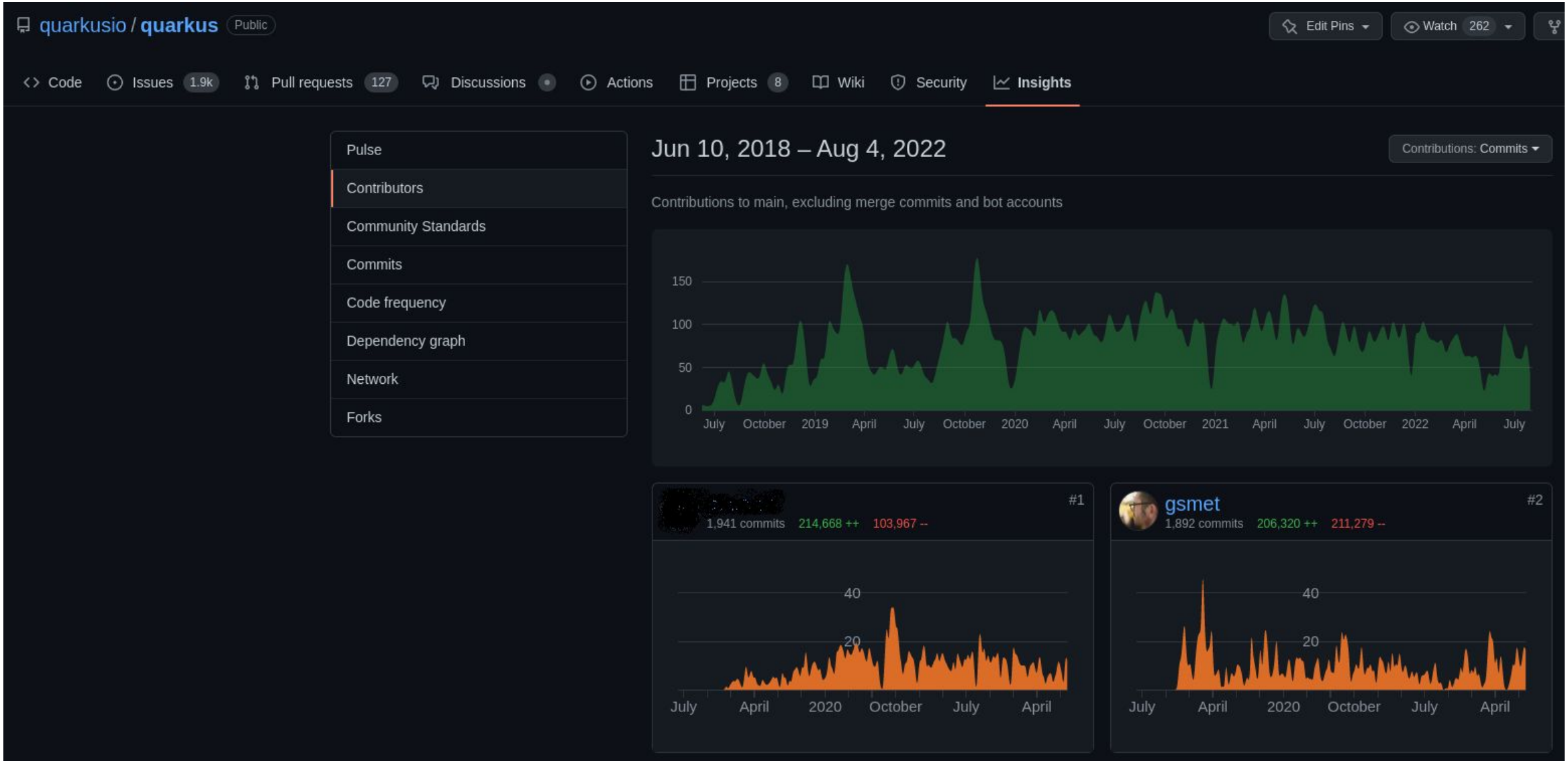
Software Developer for the Hellenic Army's Informatics Center

Red Hat

WHAT DO WE KNOW ABOUT THIS PERSON?

Red Hat

THE #1 QUARKUS CONTRIBUTOR



Red Hat

Who would you hire?

Red Hat

Experience

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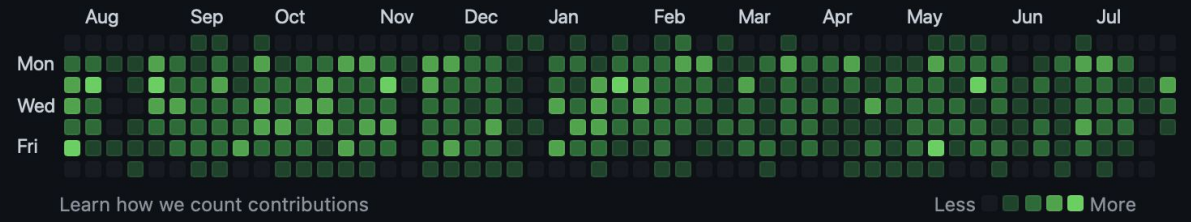
Software Developer for the Hellenic Army's Informatics Center

Pinned

quarkusio/quarkus Public
Quarkus: Supersonic Subatomic Java.
Java 10.4k 1.9k

spring-cloud/spring-cloud-kubernetes Public
Kubernetes integration with Spring Cloud Discovery Client, Configuration, etc...
Java 3.1k 930

3,365 contributions in the last year



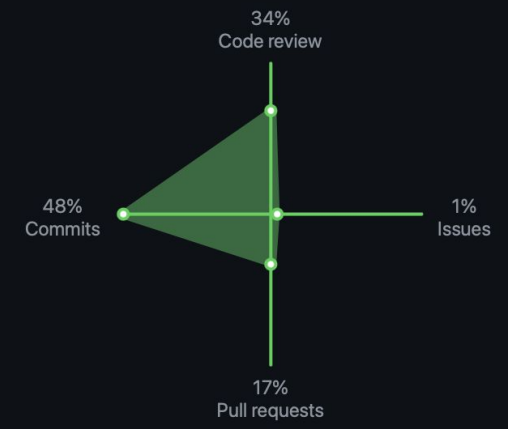
Learn how we count contributions
Less More

NEW! View your contributions in 3D, VR and IRL!

@quarkusio @quarkiverse @smallrye More

Activity overview

Contributed to quarkusio/quarkus, quarkiverse/quarkus-ngrok, the-benchmarker/web-framewo... and 90 other repositories



Red Hat

Georgios Andrianakis · 2nd

Principal Software Engineer at Red Hat

Greece · Contact info

500+ connections

5 mutual connections: Jonathan Vila, Matheus Braga, and 3 others

Connect | Message | More

Red Hat

University of Athens

Highlights

You both work at Red Hat

Georgios started at Red Hat 3 years and 10 months before you did

Message

Activity

985 followers

+ Follow

Georgios Andrianakis commented on a post • 1mo

Darn... I can't believe I missed you at the conference!

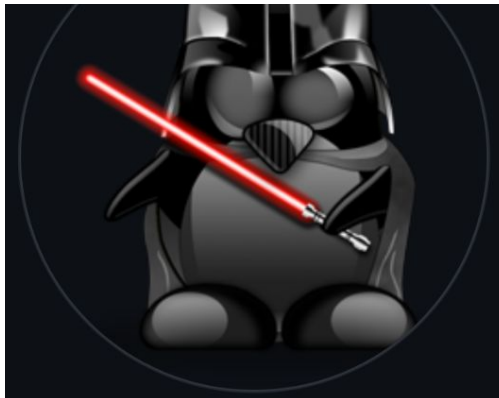
174 3 comments

Show all activity →

Experience

Red Hat
4 yrs 7 mos

- **Principal Software Engineer**
  Dec 2020 - Present · 1 yr 8 mos
- **Senior Software Engineer**
  Jan 2018 - Dec 2020 · 3 yrs
  Athens, Greece



Georgios Andrianakis

geoand

Unfollow

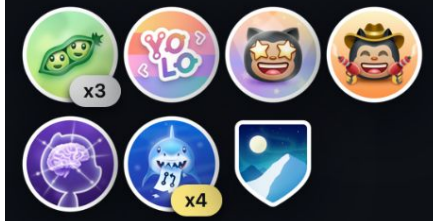
Principal Software Engineer @ RedHat, part of the core Quarkus team

190 followers · **0** following

@RedHatOfficial

Athens, Greece

Achievements



Pinned

quarkusio/quarkus Public

Quarkus: Supersonic Subatomic Java.

Java 10.4k 1.9k

spring-clo

Kubernetes inte
Configuration, e

Java 3.

3,365 contributions in the last year

Learn how we count contributions

NEW! View your contrib

@quarkusio | @quarkiverse | @smallrye | More

Activity overview

Contributed to **quarkusio/quarkus**, **quarkiverse/quarkus-ngrok**, **the-benchmarker/web-framewo...** and 90 other repositories

Red Hat

How you can contribute to Open Source Software

Code

New features

Fixing bugs

Writing/fixing tests

Code reviews

Automating tasks

Assuring Quality

Software Architecture

...

Documentation

Writing

Fixing

Improving

Translating

Creating/designing images

Web design

...

Community

Supporting new contributors

Reporting bugs

Engaging with users in forums

Giving presentations

Writing blog posts

Organizing events

...

Management

Licensing

Intermediate conflicts

Organizing meetings

Defining priorities

...

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Support your growth

- A project you want to learn more about
- A project you want to learn more about the technology behind

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Support your relationships

- People you admire
- People you want to work with
- People you want to be friends with

Red Hat

Support your life/work

- A project you use and like
- A project you're an expert
- A project you need to improve

Red Hat

Support your purpose

- Health
- Education
- Environment
- Humanitarian
- Wildlife

How Open Source helped me

- I was working on cool stuff, but no one outside the company could see it
- I was feeling ready to do more
- I dreamed about working
  - Fully remote
  - With a diverse team
  - With great professionals that would make me grow
  - Communicating in english
  - Doing something that many people around the world would use
  - A company like Red Hat
    - Important in the Java ecosystem
    - Several people that I admire works at Red Hat

Red Hat

How can I work in a company like Red Hat if no one knows me?

Red Hat is the biggest open source company in the world

That’s the answer!

OPEN SOURCE

Red Hat

I decided to become an open source contributor

- I wanted to contribute to Quarkus
- I read the contributors guide
- I downloaded the code
- I looked for an issue that I could fix, but it was pretty hard
- Then I found the “good first issue” label
- These issues were much simpler than the other ones and I could find one that I thought I could fix

Red Hat

Trying to fix the first issue

- I had no idea which part of the code I needed to change. I studied the code, but couldn't find
- I left a message in the issue and one of the maintainers answered
- I spent several days understanding the code, debugging and trying to fix
- Then I fixed and submitted a PR
- It was reviewed and I had to change a couple of things
- Then it was merged
- I was officially a Quarkus contributor

Red Hat

Then I kept going

- Fix more issues
- Contribute to other projects
- Contribute to specifications
- Started a blog
- Gave my first talk

Red Hat

Several opportunities appeared

Until that one that I dreamed about

The opportunity to work full time as an open source contributor at Red Hat

Red Hat could be sure about my skills because of my open contributions

Red Hat

What would I do today if I had to start all over again?

How can you start?

Red Hat

How to start

- Start small
- Make it easy for contributors to accept your contribution
- Remember: They don't know you
- They have more important things to do than review a huge PR from someone they know nothing about

Red Hat

How to start

Know the community

- Join mailing list
- Join IM channels

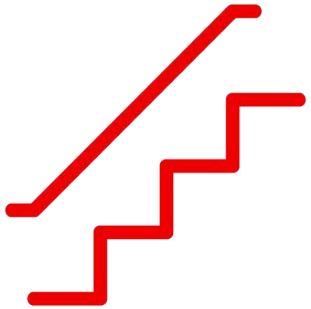
Get known

- Report bugs
- Answer questions
- Ask questions
- Be helpful

Build trust

- Do the dirty job
- When the maintainers need someone they'll remember you

Red Hat



Documentation

Documentation is usually outdated. It's common to find broken links or typos. Use an IDE or a plugin that identifies these kind of errors

Tests

Add more tests. Improve test coverage. Review the existing ones

Warnings

Fix warnings of a class or a couple of classes that are related.

Red Hat

Fix an issue

You'll usually find issues on

- GitHub issues
- Jira Issue Tracker
- Bugzilla

- Look for low priority issues
  - You can take your time to fix them
- On GitHub, look for issues labeled as "good first issue"
- Ask if you can work on that issue

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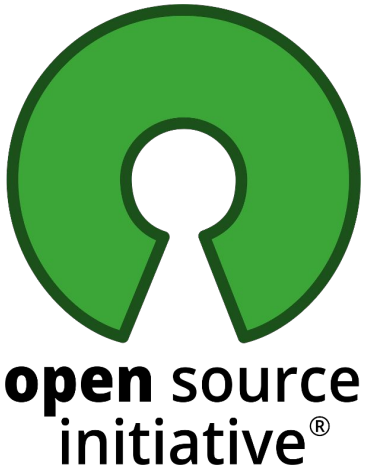
Where to find projects

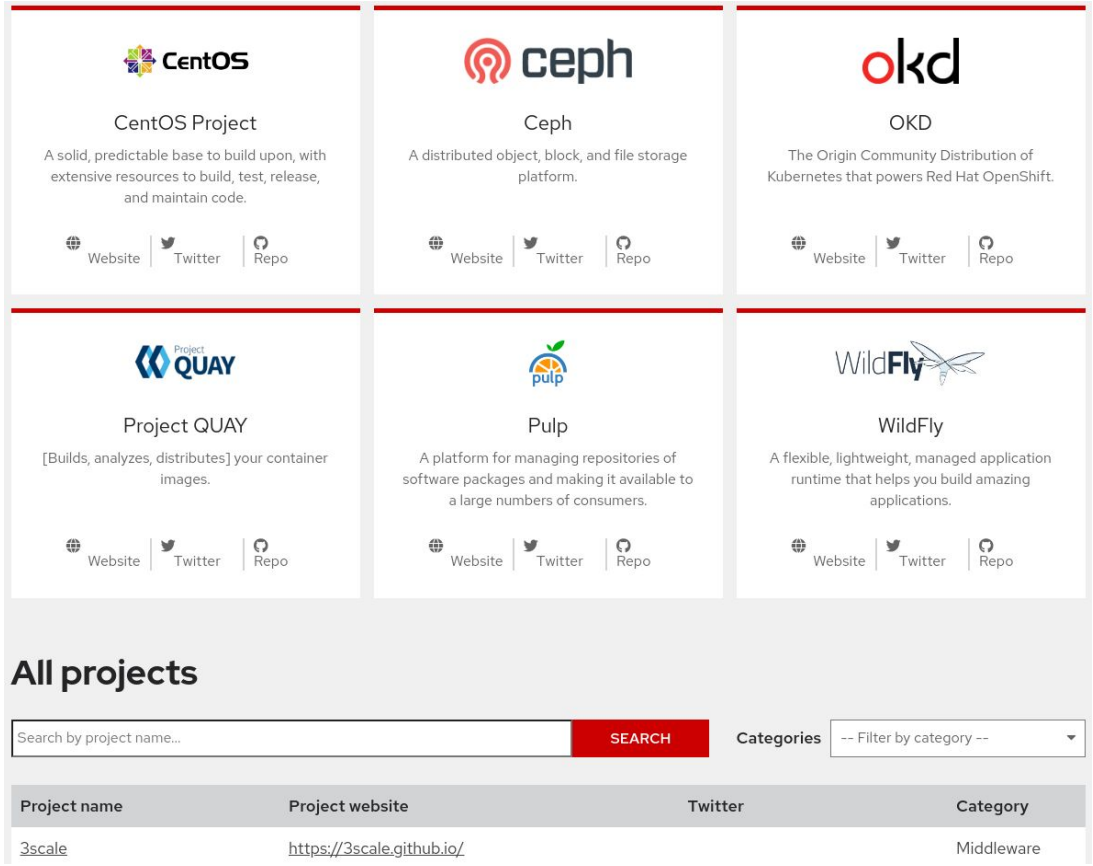


Find more organizations
https://opensource.com/resources/organizations

Red Hat

Where to find projects

https://redhatofficial.github.io



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Resources

- https://www.apache.org
- https://www.cncf.io
- https://www.eclipse.org
- https://www.linuxfoundation.org
- https://opensource.org
- https://opensource.com/open-source-way
- https://www.theopensourceway.org
- https://redhatofficial.github.io

Red Hat

Thank you

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

Twitter: https://twitter.com/helber_belmiro

GitHub: https://github.com/hbelmiro

Blog: https://thegreatapi.com

linkedin.com/company/red-hat

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