

### **Lukasz Dynowski**

l\_dynowski@yahoo.com

linkedin.com/in/ldynia



# Objectives

**Pull Requests** 

CI/CD

Github Templates

Docker

Github Releases / Tag

Git

Github Wikis

Markdown

Github Pages

Microservices

Github Actions

Free Software

Github Issues

Open Source

Github Advanced Search

GitHub is your CV







71+ milliaon Developers



200+ million Repositories



3+ million Organizations



**72% Fortune 50** 



### ( How did we arrived here?

```
Unix 1970 AT&T Bell Labs
```

GNU 1983 GNU Project

GCC 1987 GCC + Libs

GPL 1989 4 Freedoms

Linux Kernel 1991 Linux Kernel

Open Source 1998 Netscape

GIT 2005 BitKeeper

GitHub 2008 Logical Awesome LLC

2021





### Free Software & Open Source



**Richard Stallman** 



**Bruce Perens** 



**Eric Raymon** 

### What does "free software" mean?

#### User has freedom to:

- Run the program as you wish, for any purpose.
- . Study how the program works and change it, so it does your computing as you wish.
- . Redistribute copies so you can help others.
- . Distribute copies of your modified versions to others.

Access to the source code is a precondition for this!

https://www.gnu.org/philosophy/free-sw.en.html



# What does "open source" mean?

#### The software is:

- Redistributed for free.
- The source code should be **publicly available**.
- The software can be modified and distributed in a different format from the original software.
- . The software should **not discriminate against persons or groups.**
- . The software should **not restrict the usage of other software.**

https://opensource.org/osd





#### **Free Software**

Social movement.

Free software focus on the user's freedom to use the program, to modify it, and to share it.



#### **Open source**

Open source is a development methodology.

Open-source focus on the availability of the source code and the ability to modify and share it.







### **Public ≠ Open Source**

Anyone can view and fork your public project, but your work comes with no permissions.

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