

# Open-Source Software

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English - Büttner



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# Who am I?

- Chris
- 25 Years old
- Appr. Software Engineering @ SUSE
- Started programming at Uni
- Experience mostly in Python and Rust
- Open source contributions since 2021/22



# What is FOSS?

Free Open-Source Software (FOSS) describes any software which's source code is available to the public and does not restrict the user in use or redistribution.

*"Free as in freedom, not free beer."*

- Source code and other resources are publicly available
- Little restriction on modification and redistribution
- Built as a collective by people around the world
- Paid or unpaid use possible

# What is FOSS?

Many important services are or are based off of FOSS projects.

- Linux
- Apache Web Server
- git
- GitLab / Gitea, etc.
- MySQL

# Why FOSS?

Why not?

# Why FOSS?

- **Control** over the software you use and its feature set
- **Security** thanks to thousands of reviewers or being able to review yourself
- **Training** on technical topics; Often used as entry to programming / software engineering
- **Stability** projects do not just vanish if the company behind it stops it
- **Privacy** higher privacy focus thanks to the environment it is developed in

# Security

- No security by obscurity
- Many thousands of eyes on the code interested in a secure application
- Every change can be reviewed by anyone at any time
- Many different viewpoints and experiences included
- Pushing malicious code into projects is way harder due to the number of reviewers



# Privacy

- FOSS users and contributors love them some privacy
- Much harder for individuals or organizations to push for more telemetry
- Thanks to OSS licenses, forking projects before unpopular changes is an option

# Training

- Knowledge is shared everywhere
- No real barriers to entry
- Public record of your skills and interest on GitHub or similar
- Past work and achievements not under NDA
- Experience sharing with some of the brightest minds in their field

# How can I help?

- No need to be a developer
- Artists, translators, documentation people, hardware and networking for hackspaces or FOSS events, etc. etc.

# How can I help?

1. Read about open-source and the ideas behind it.
  - 1.1 [opensource.com](https://opensource.com)
2. Become a contributor:
  - 2.1. [openSUSE](https://www.opensuse.org)
  - 2.2. [KDE e.V](https://kde.org)
  - 2.3. [Fedora](https://getfedora.org)
3. Get involved in your local hackspace:
  - 3.1 [0x90 e.V](https://0x90.org)
  - 3.2 [Nerdberg](https://nerdberg.org)
4. Start getting involved

# Get in touch

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Matrix: [@chris:kde.org](https://matrix.to/#/@chris:kde.org)

# Sources

- <https://opensource.com/resources/what-open-source>
- [https://en.wikipedia.org/wiki/Open-source\\_software](https://en.wikipedia.org/wiki/Open-source_software)
- <https://ibm.com/topics/open-source>
- <https://opensuse.org>
- <https://fedoraproject.org>