you too could have made curl

Feburary 4, 2024

Daniel Stenberg

Daniel Stenberg

@bagder
@mastodon.social

wolfSSL

https://daniel.haxx.se

curl://

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curl runs in all your devices
Windows 10
iOS
FORTNITE
RŌBLOX
chromeOS
NETFLIX
PLAYERUNKNOWN'S
SPIDER-MAN
ROKU
Roku Ultra
LUMIX
GH5
SIEMENS

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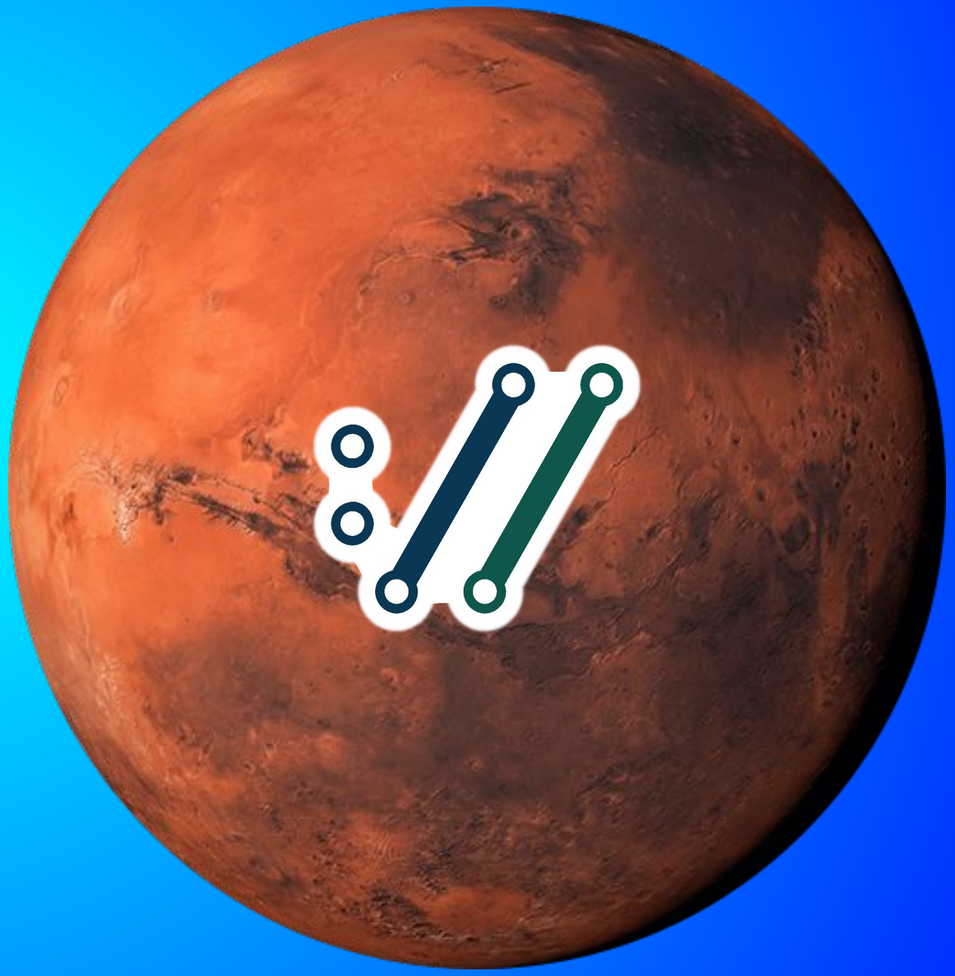
2 planets



Planets known to have run curl

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“The created economic value cannot be overstated.”

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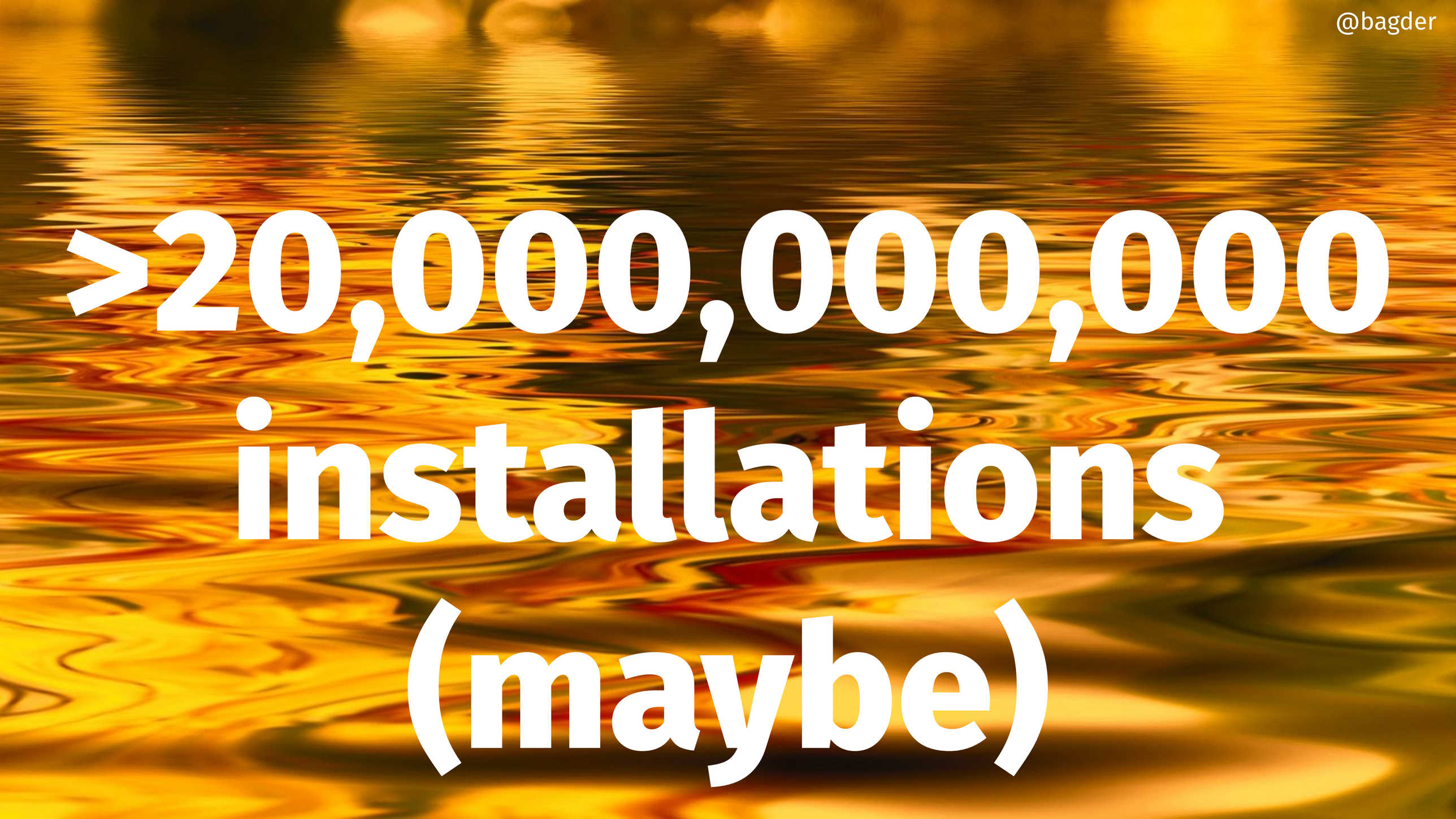
>20,000,000,000
installations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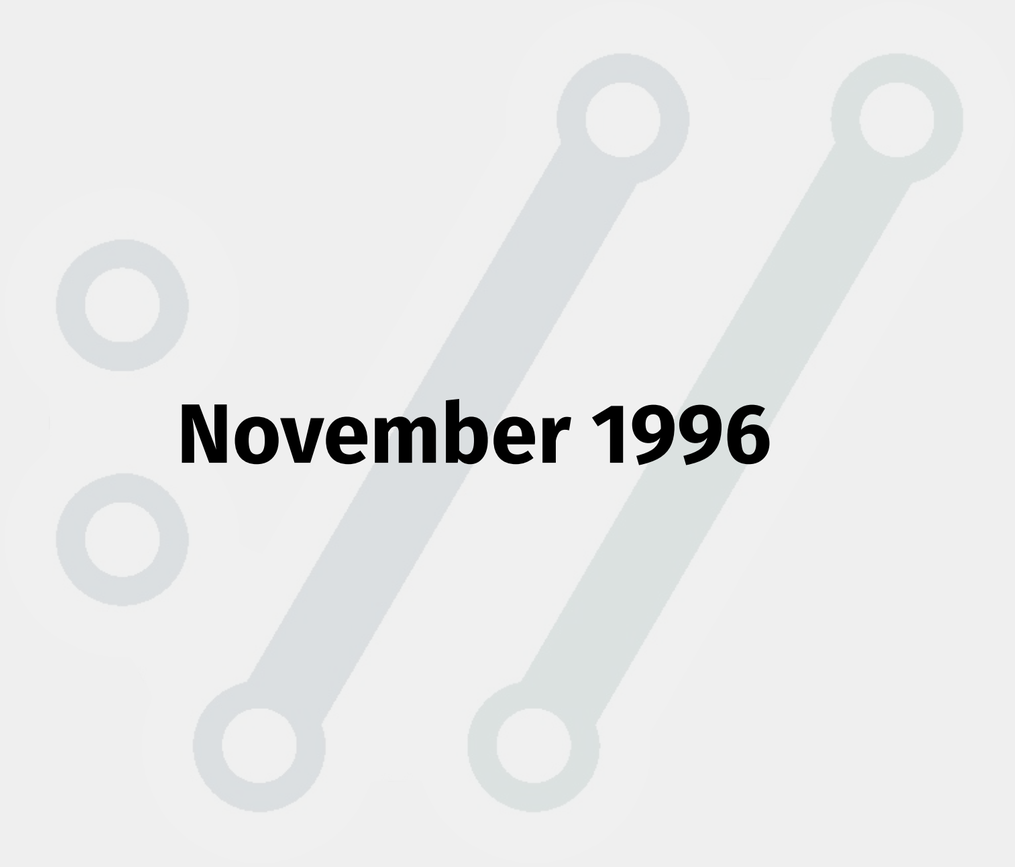
>20,000,000,000
installations
(maybe)

We did not end up here at once

We did not end up here by accident



November 1996

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Start small

Give it time

Have fun

December 1998

Mailing List

Due to the massive popularity, We have started a mailing list about this tool.
(Version 4.8.4 alone got downloaded more than 300 times from this site.)

Keep working on it

Make it easy for others to help

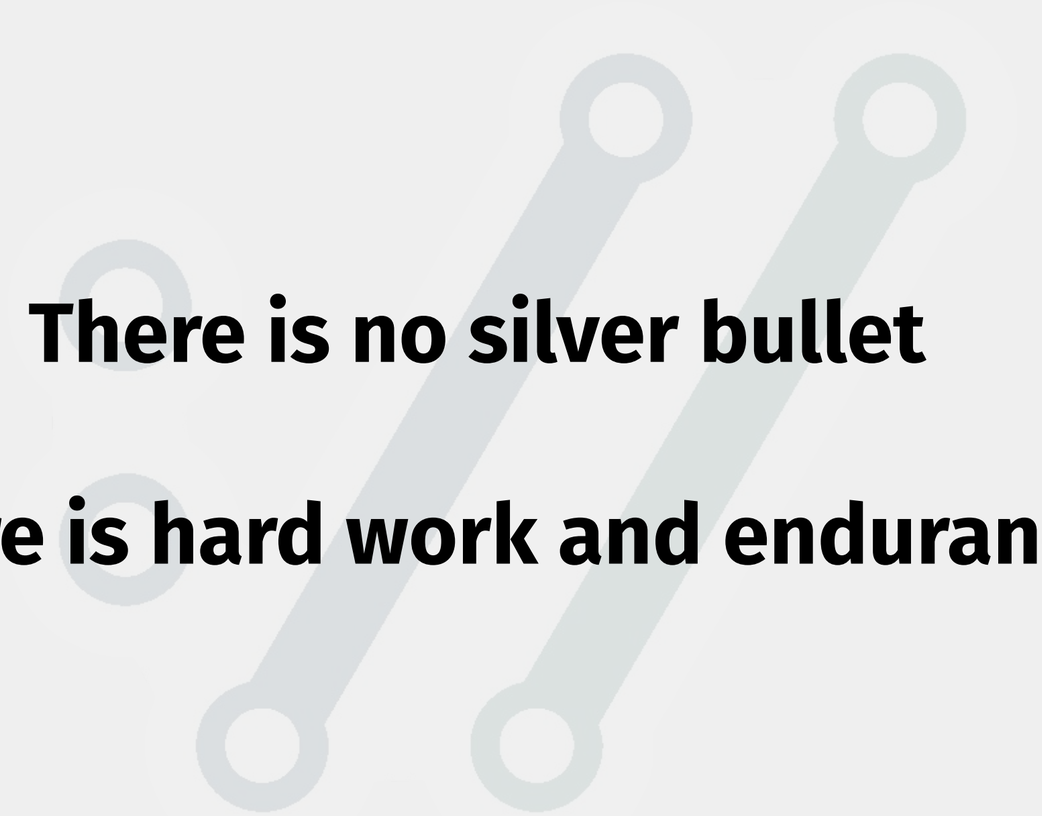
Have fun

Give it *more* time

Learn to use the time you get

I have learned to do fewer other things

Accept that you might run alone in periods



There is no silver bullet

There is hard work and endurance

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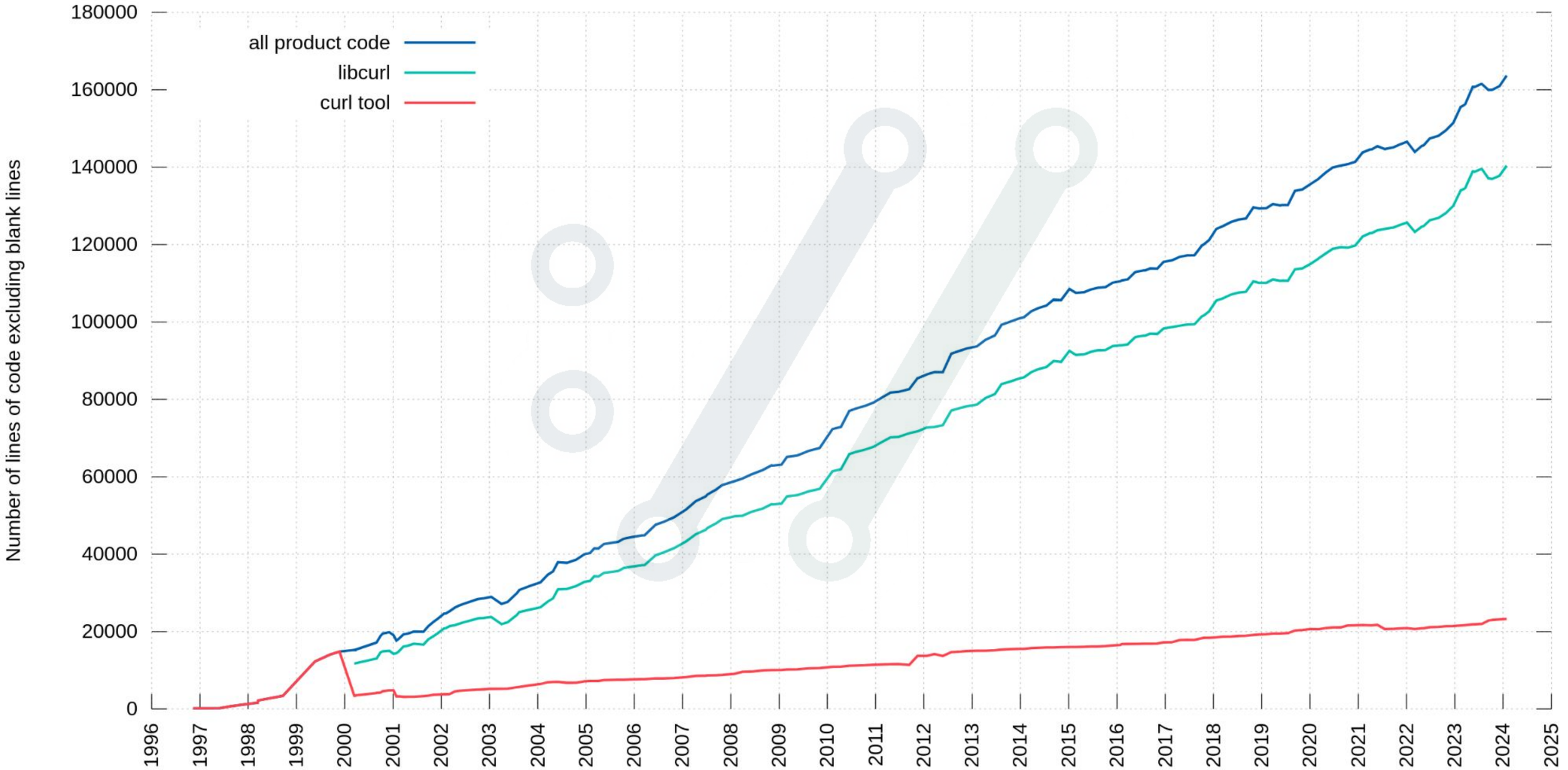
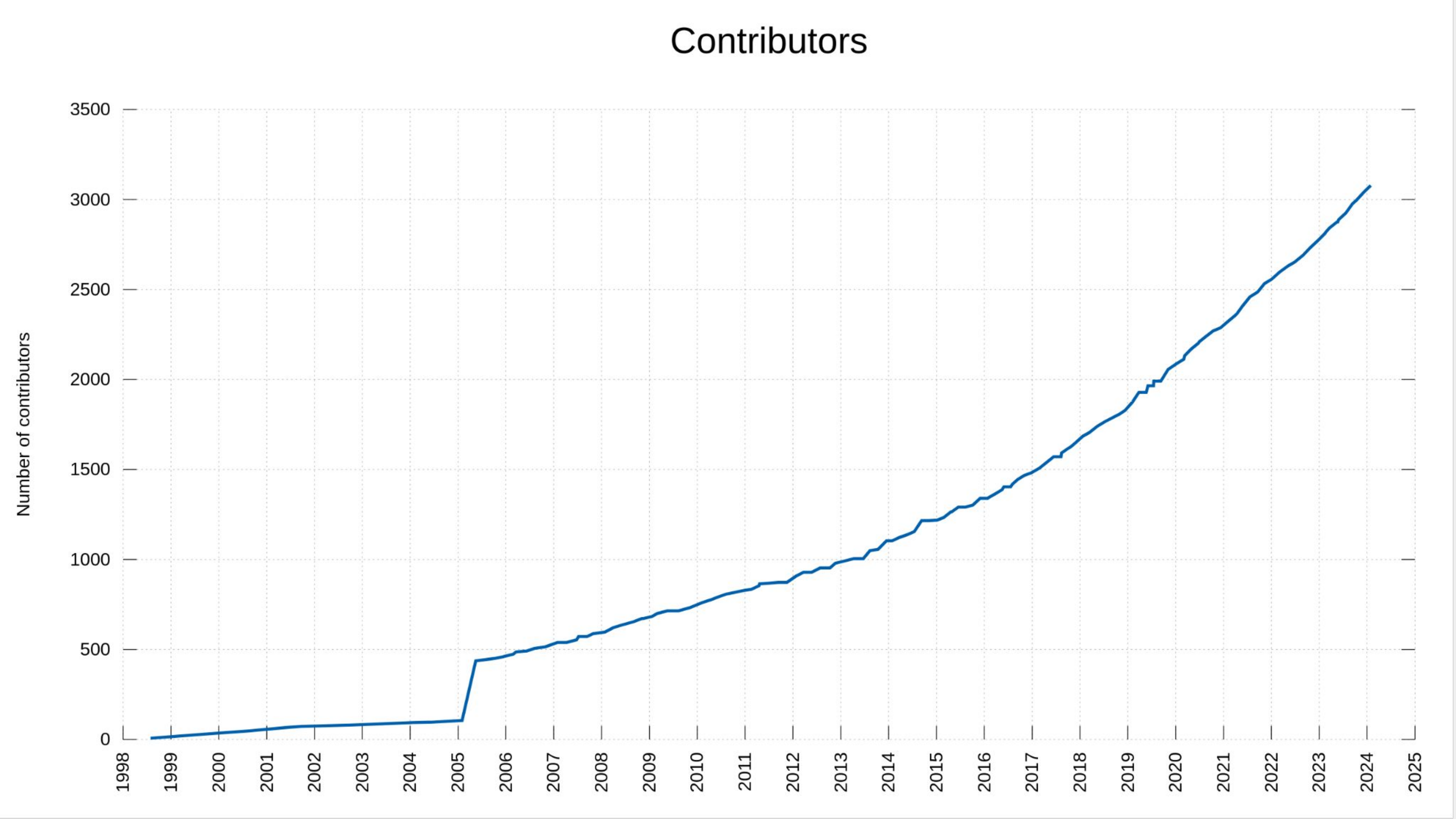
Lines of code (incl comments)




Contributors
Number of contributors
3500
3000
2500
2000
1500
1000
500
0
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
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2018
2019
2020
2021
2022
2023
2024
2025

Success is not a given

It might not be good enough at first

Have fun

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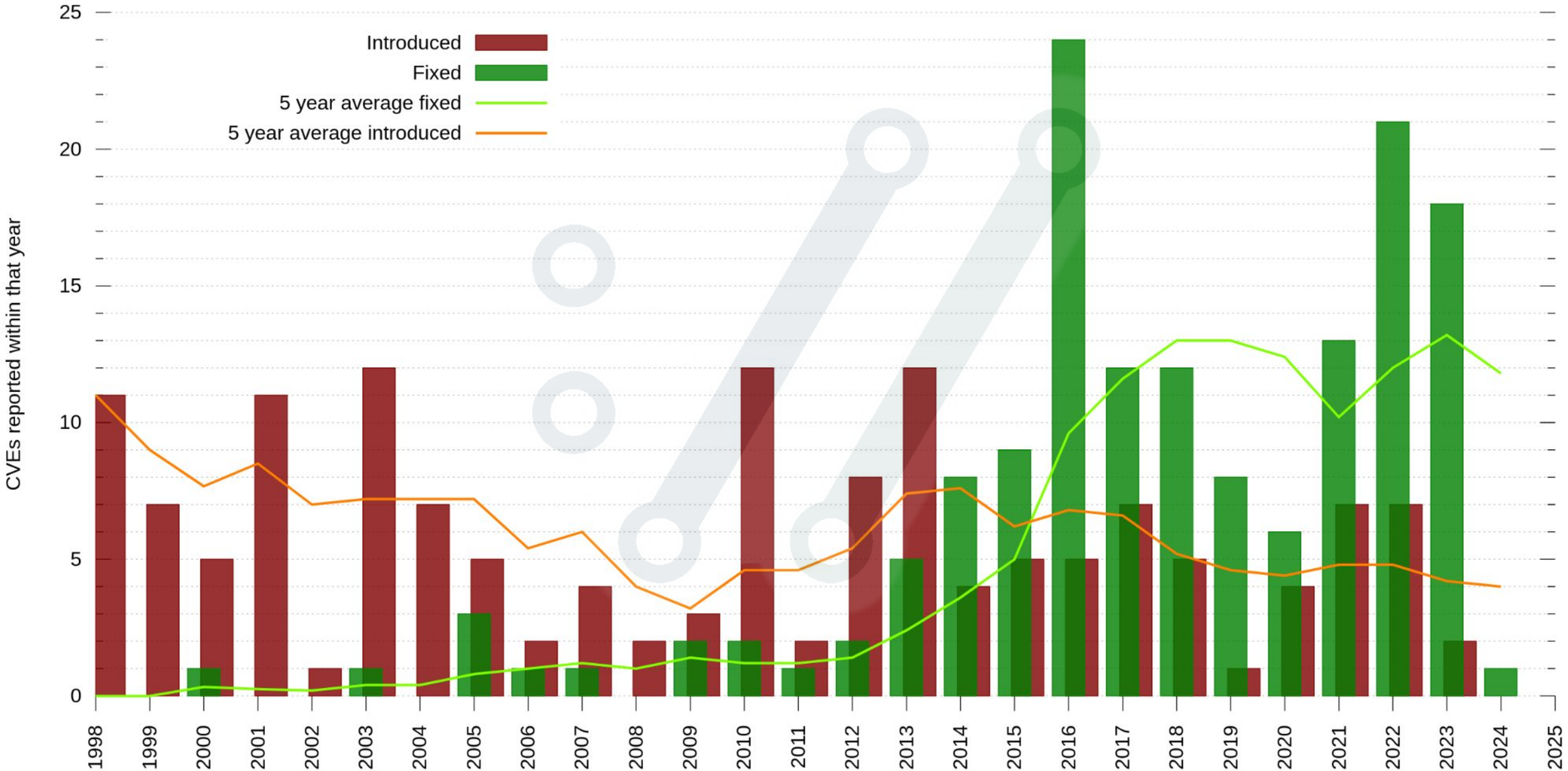
Vulnerabilities Fixed/Introduced



Own your mistakes

Learn, adapt, add more tests

Have fun

Everyone makes mistakes

How you act on them is what matters

Realizing your mistakes can be soul-crushing

Learn from them

Readable code

Documentation

Tests

Code analyzers

Fuzzing

Bug-bounty

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people are more difficult than code

Over time, maintenance means less coding

and more interfacing humans

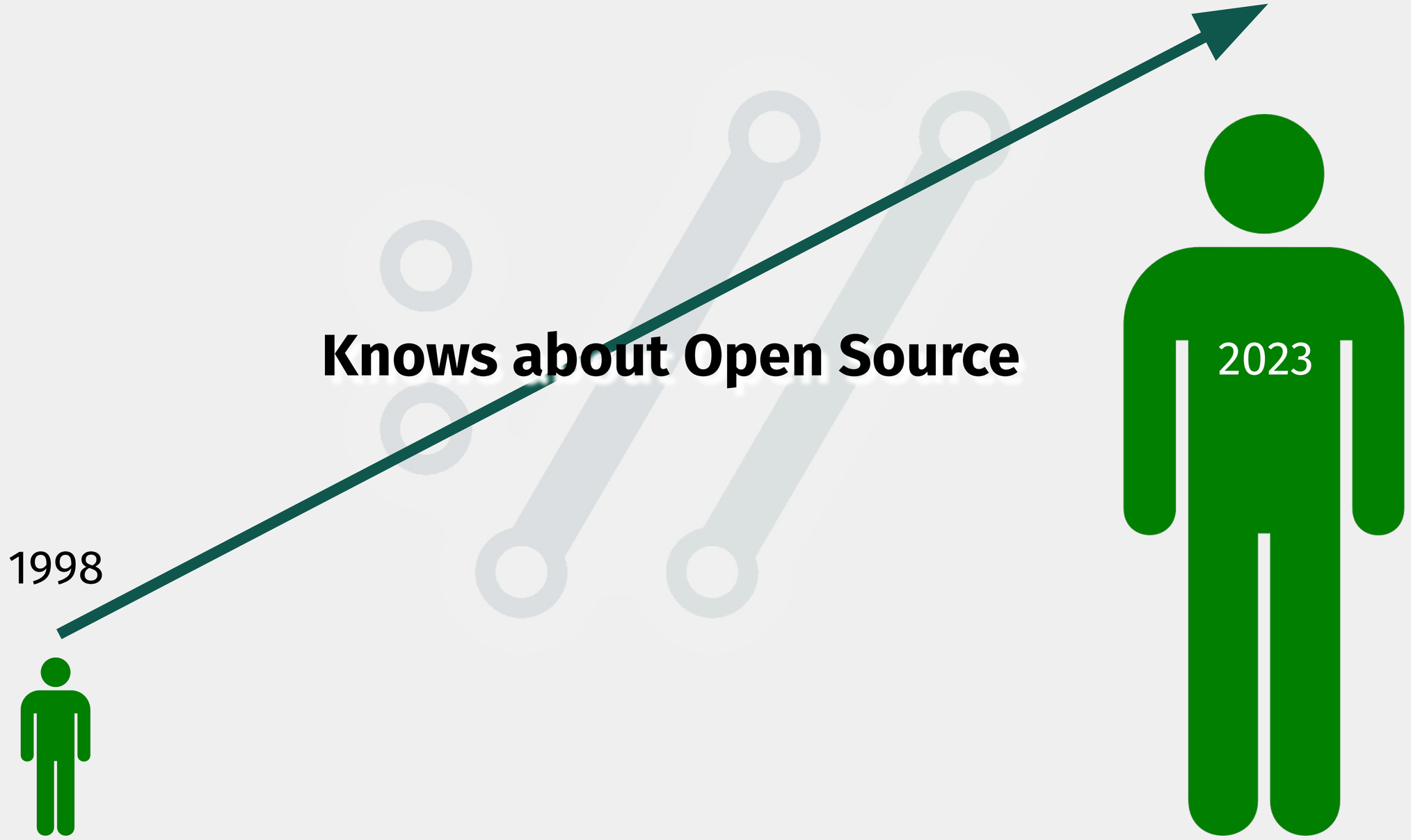
negative feedback

contributors rarely stick around

newcomers can be awesome

```
Date: Fri, 19 Feb 2021 03:02:24
Subject: I will slaughter you
```

Open Source is only 25 years young


Knows about Open Source
1998
2023

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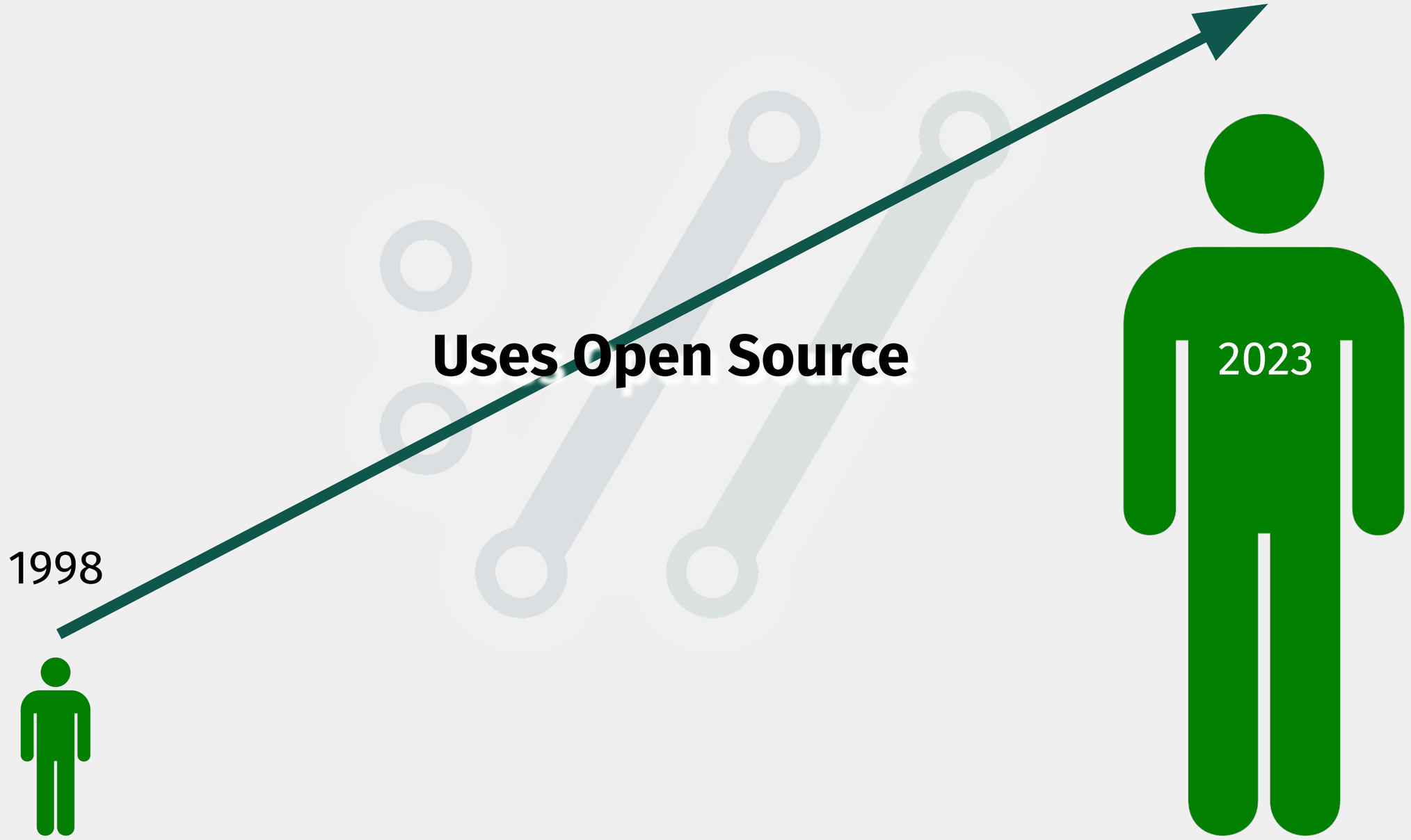

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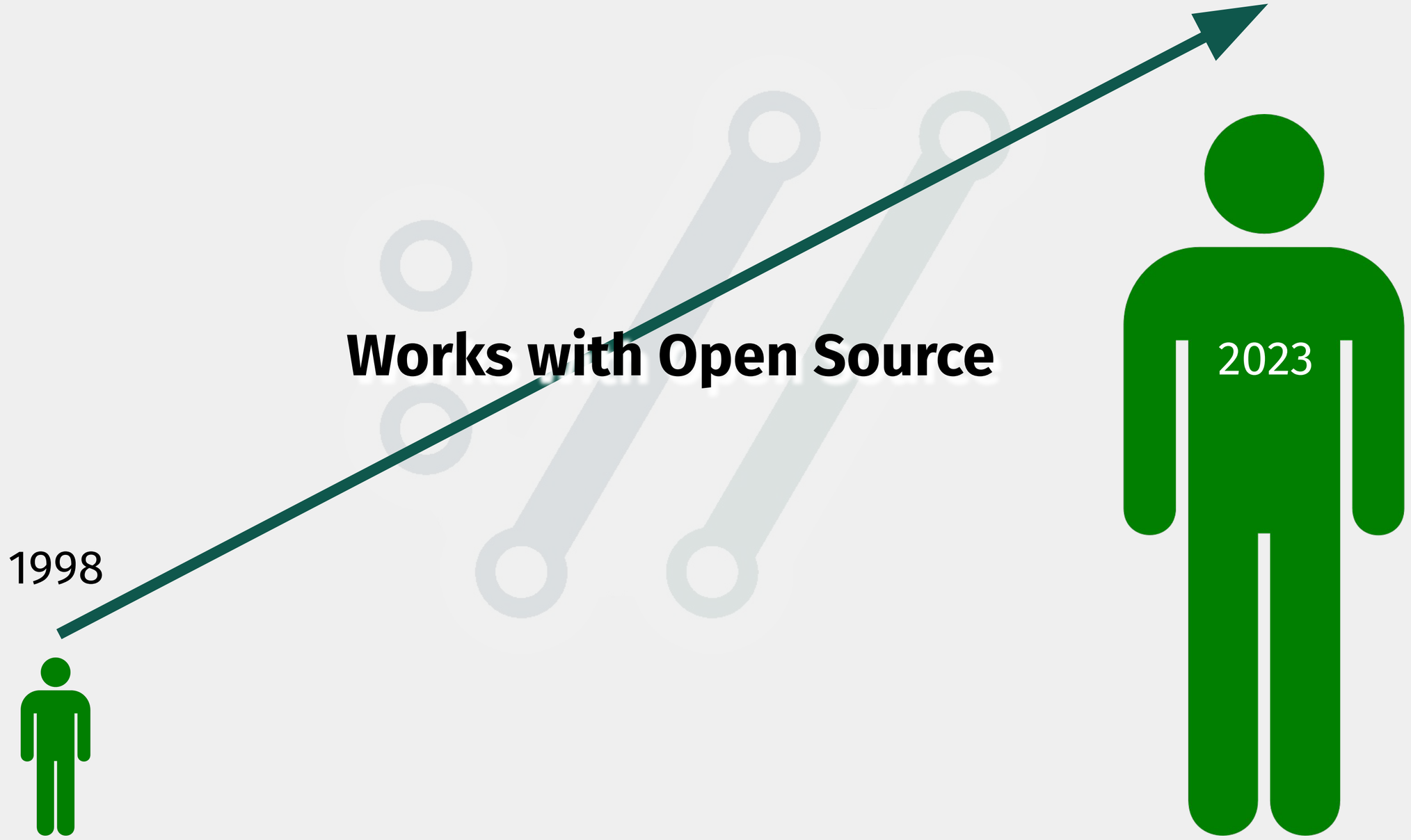
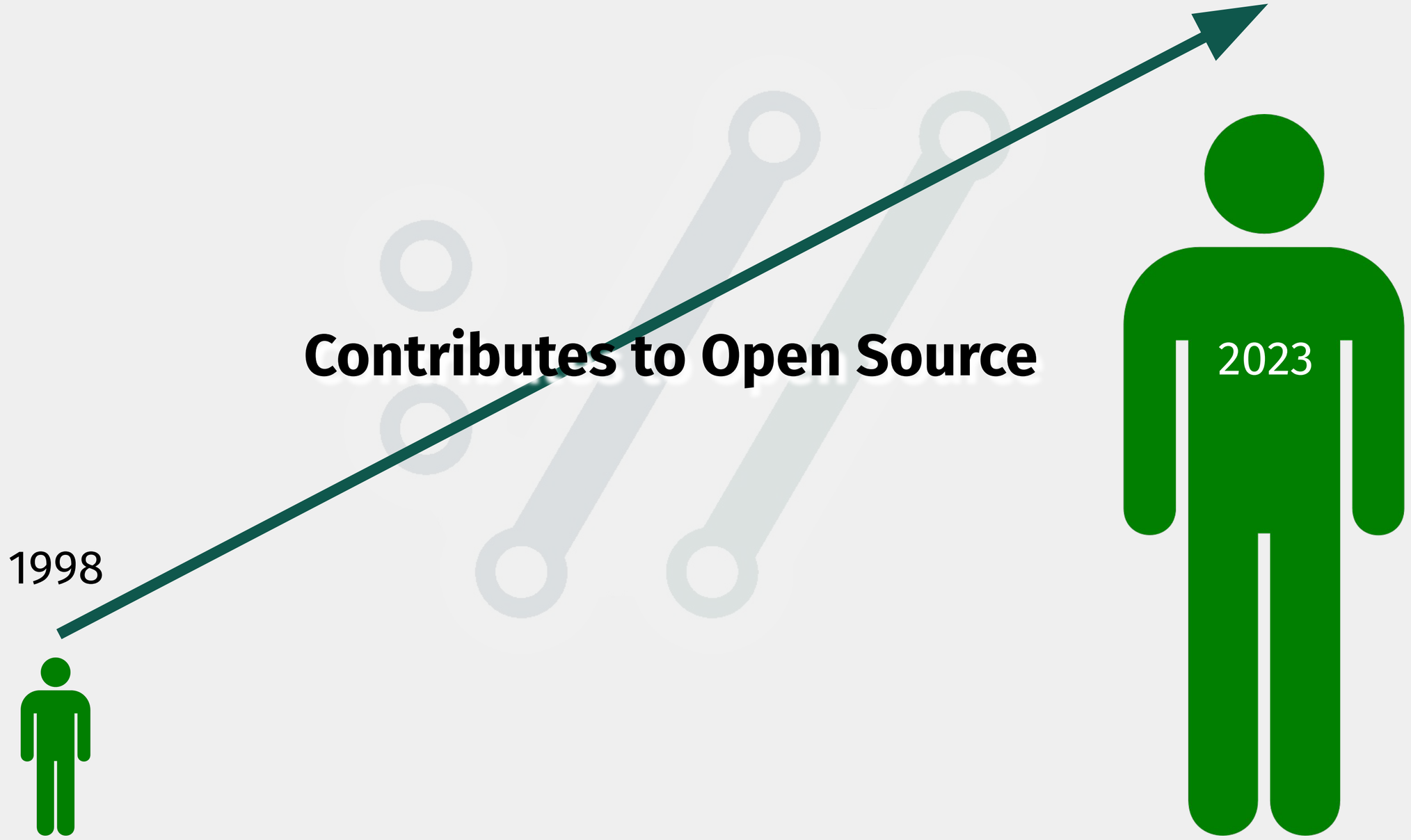
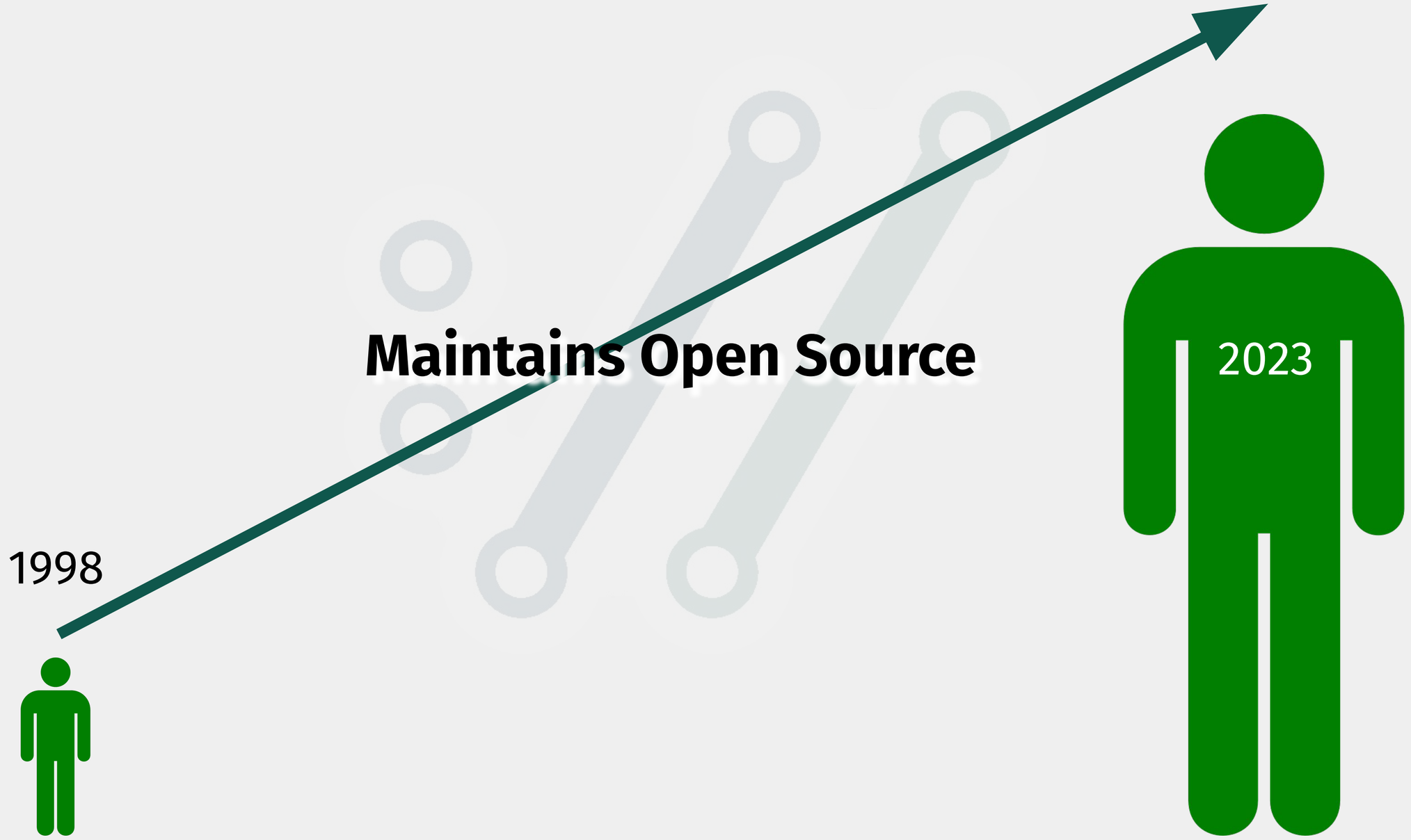
Works with Open Source



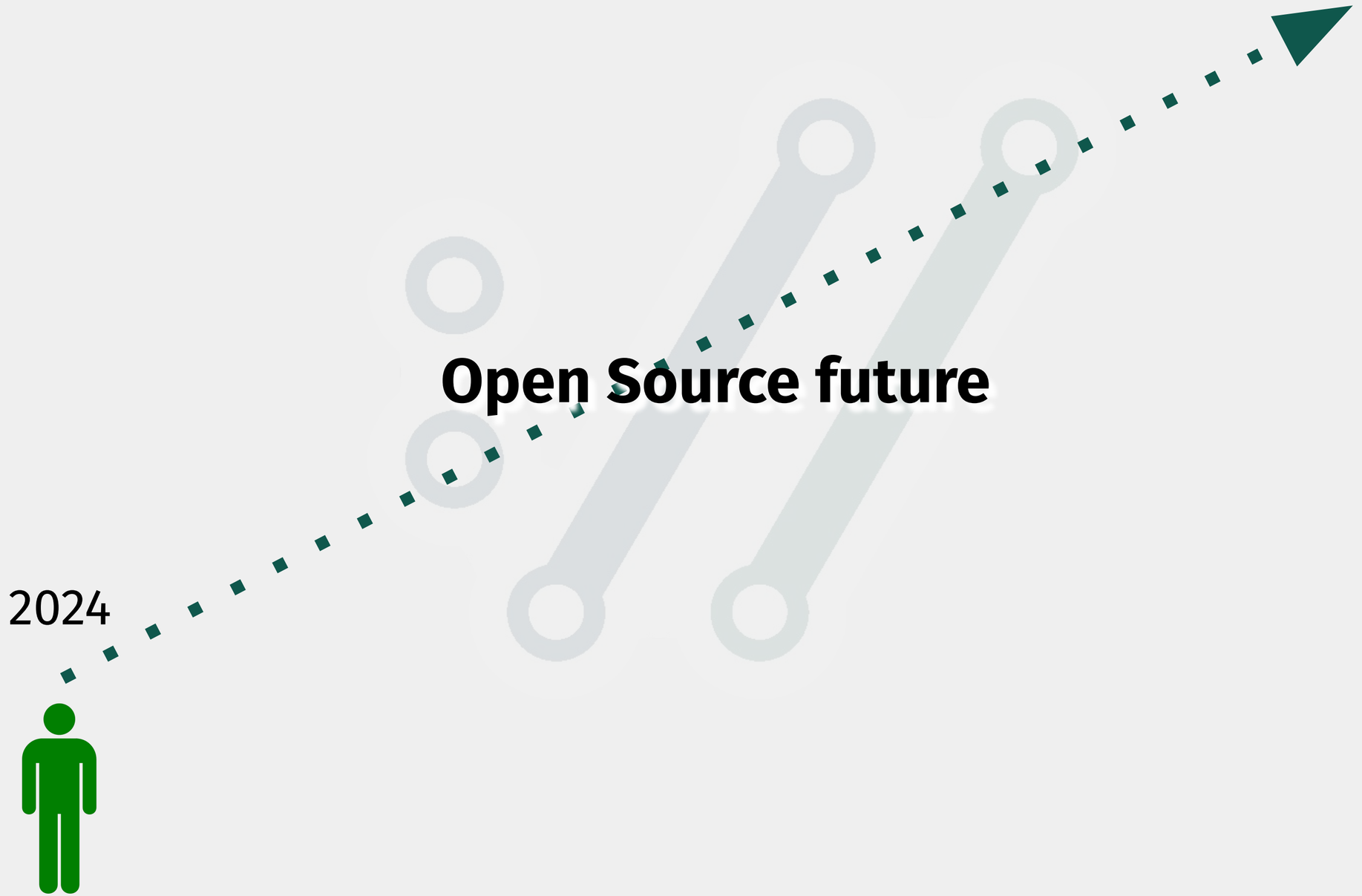
Contributes to Open Source



Maintains Open Source



Open Source future



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Lack of motivation

Maintainer overload

“oops my bug broke the internet”

imposter syndrome is real

the inability to believe that one's success is deserved or has been legitimately achieved as a result of one's own efforts or skills

Use the time slots you get

Do not split your attention on 417 projects

If not done today, continue tomorrow

Release early, release often

Reduce contributor friction

Have fun

We are all different

Spare time hacking is a luxury

Privilege is unequal

What is success?

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Hello

I have toyota corola with multimedya system that you have its copyright.
I need a advice to know how to use the gps. Now i cant use or see maps.
And i want to know how to add hebrew leng.

Hello,

I am using in a new Ford Mondeo the navigation system with SD Card FM5T-19H449-FC Europe F4. I can read the card but not write on it. **I want to add to the card some POI´s. Can you help me to do it?**

Daniel -

I recently purchased a 2009 BMW Z4. The iDrive software indicates “Copyright (c) 1996-2010, Daniel Stenberg). I’ve purchased a video interface that allows me to add a backup camera. However, the interface requires that I update the iDrive software to the latest version from BMW. However, there is no software update function within the current iDrive menu. **Is there a way to revert the iDrive to the original or current software?**

Subject: Drift gamepad on PS5

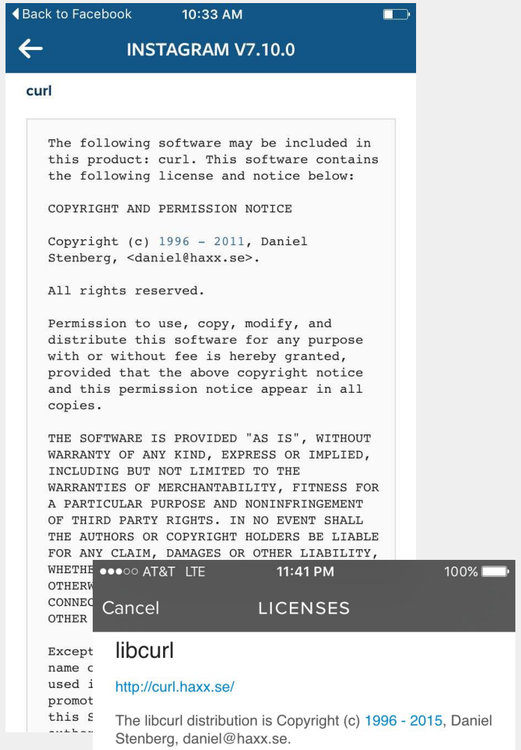
Hello.
In the updated version of the Ghost of Tsushima for the PlayStation 5 console, there was a problem, the control of **the left stick is too sensitive** and therefore the character itself moves. Drift compensation in game settings doesn't help. **Correct it if possible**. Thanks.

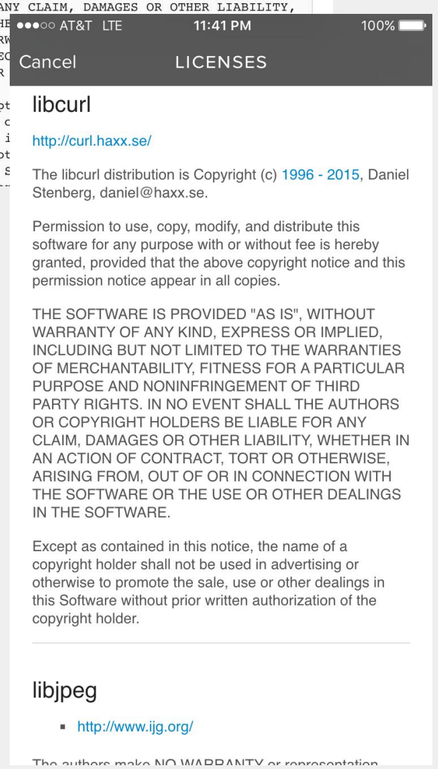
Dear Daniel,

I had emailed you a couple months ago about my “screen dumps” aka screenshots and asked for your **help with restoring my Instagram account since it had been hacked.**

Since you weren’t aware that your name was attached to Instagram related hacking code, I thought you might want to know, in case you weren’t already aware, that **your name is also included in Spotify terms and conditions.** I came across this information using my Spotify which has also been hacked into and would love your help hacking out of Spotify.

Also, I have yet to figure out how to unhack the hackers from my Instagram so if you change your mind and want to restore my Instagram to its original form as well as help me secure my account from future privacy breaches, I’d be extremely grateful. As you know, changing my passwords did nothing to resolve the problem. Please keep in mind that Facebook owns Instagram and these are big companies that **you likely don’t want to have a trail of evidence that you are a part of an Instagram and Spotify hacking ring.**





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I am not special

I am not a genius

I did not do anything previously unknown

I wanted a tool for internet transfers

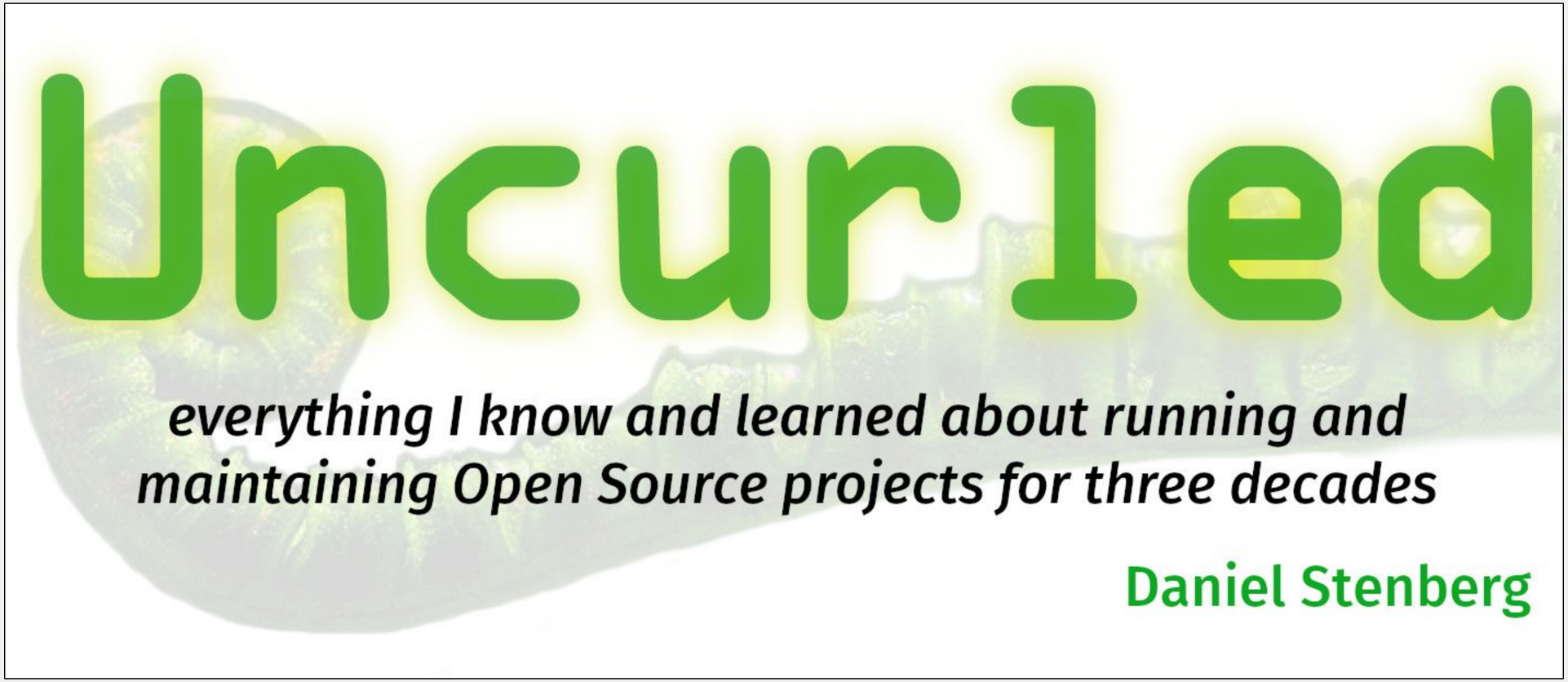
I endured

I kept polishing

I lowered the bar for contributions

It’s the most fun I can imagine

You can do it



https://un.curl.dev/

Thank you!

Questions?

Daniel Stenberg
@bagder@mastodon.social
https://daniel.haxx.se/