

Open Source

Made in Presenterm

Tushar Gupta, Member of SDC

What is Open Source?

Collaboration • Freedom • Transparency

Open source software makes source code freely available for anyone to **view, modify, and distribute**.

It thrives on **community-driven development** and **collaboration**.

🔑 Core Principles

- 🔍 Transparency: Publicly accessible
- 🔓 Freedom: Modify & share
- 🌐 Collaboration: Global contributions
- 📄 No Fees: Free to use
- 📝 Peer Review: Community quality checks
- 🚀 Innovation: Fast development
- ⚙️ Flexibility: Customizable
- 🎓 Learning: Real-world code



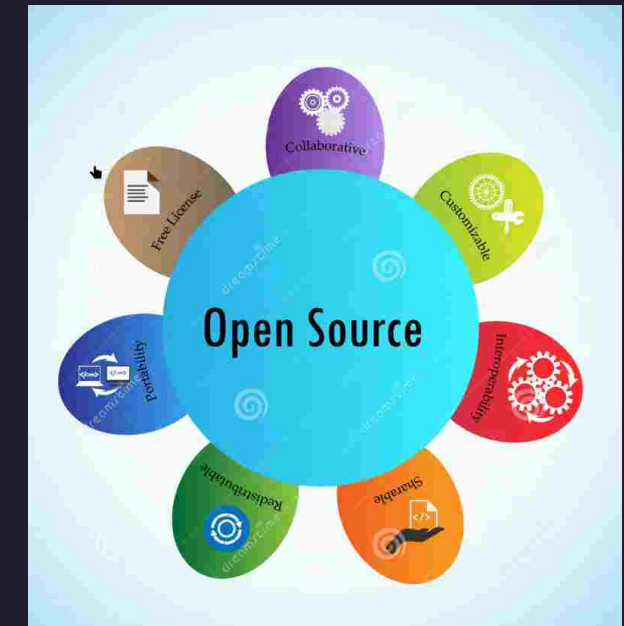


A stylized tree with a dark grey trunk and branches. The leaves are represented by various open-source logos and icons. From top to bottom, the logos include: openSUSE (green lizard), CakePHP (red gear with cake), Git (red diamond with branching), WordPress (blue 'W' in a circle), MongoDB (green leaf), PHP (blue oval with 'php'), Drupal (red 3D cube), CakePHP (red gear with cake), OpenMoko (orange stylized person), Git (red diamond with branching), MySQL (blue water drop), WordPress (blue 'W' in a circle), MongoDB (green leaf), PHP (blue oval with 'php'), Drupal (red 3D cube), OpenMoko (orange stylized person), Git (red diamond with branching), MySQL (blue water drop), and Python (blue and yellow snakes). There are also two penguin icons, one black and one purple, at the base of the tree.

Why Open Source?

■ Skill Development

- Learn advanced practices: version control (Git), CI/CD, testing, code reviews
- Exposure to multiple programming languages & frameworks



■ Career Opportunities

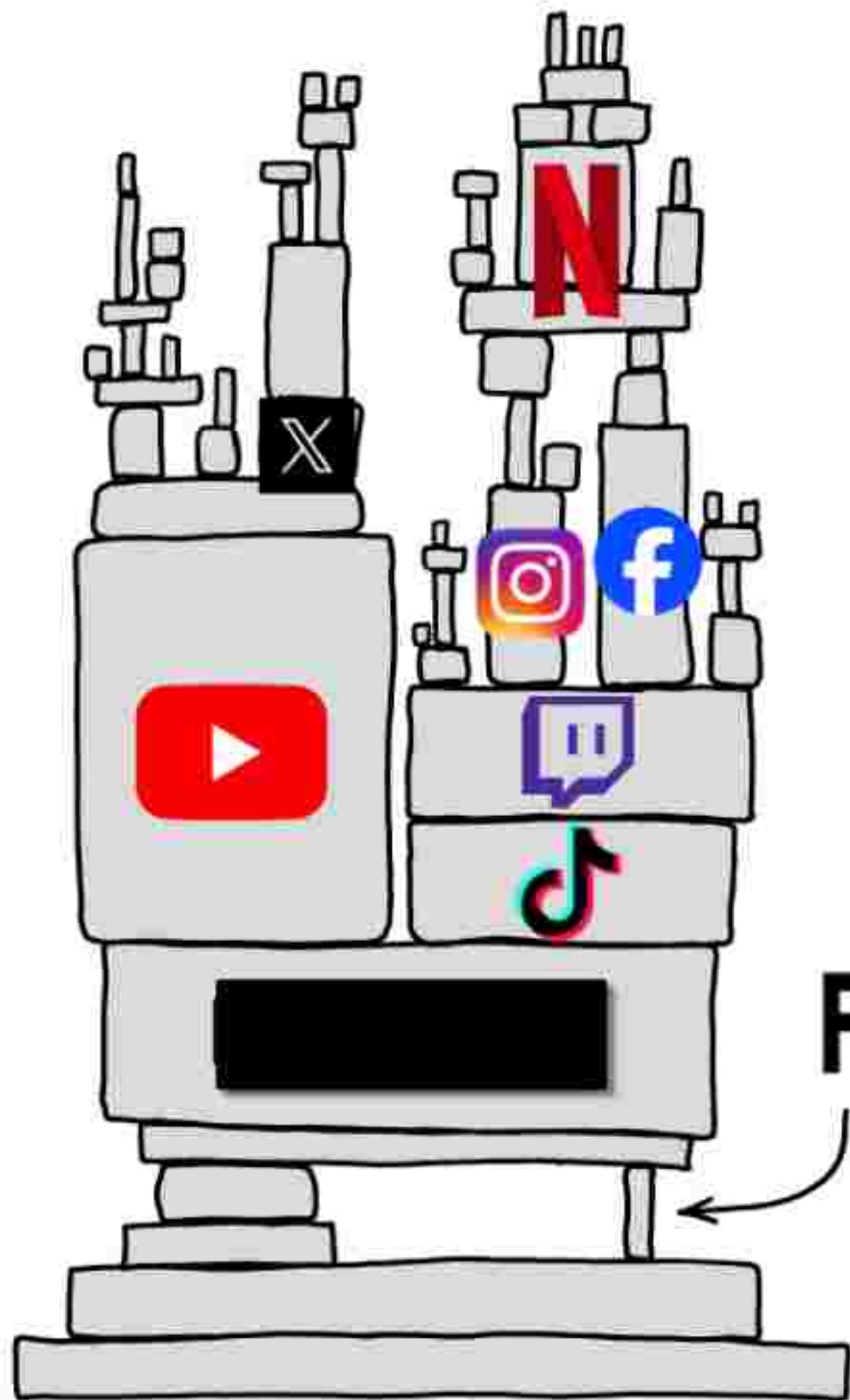
- Many companies hire directly from open-source contributors
- Freelancing & remote job opportunities (upstream contributions are valued)

■ Networking & Community

- Connect with experienced developers worldwide

- Collaborate on large projects with diverse teams

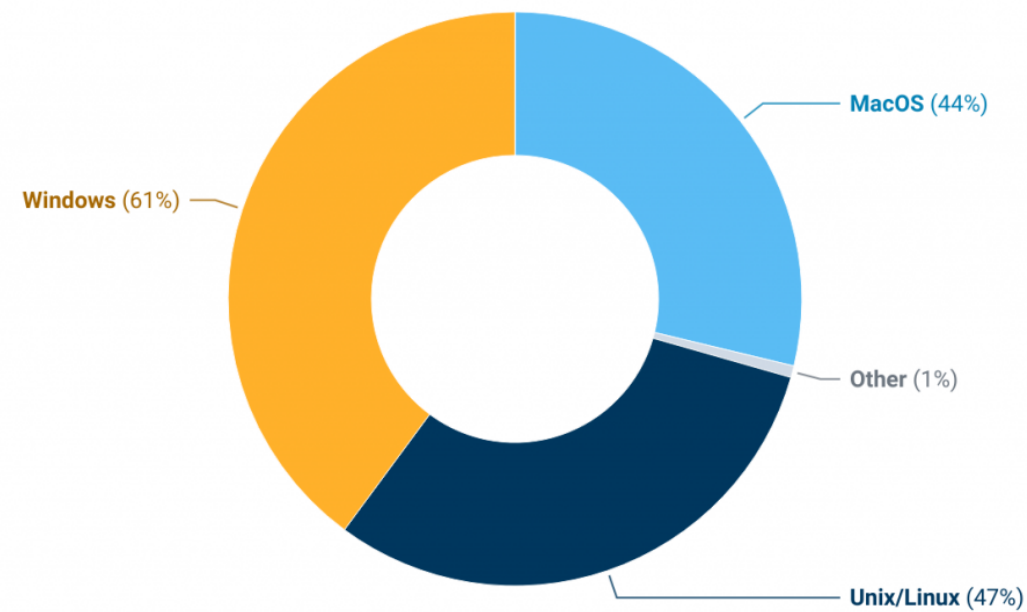
Open Source Projects




FFmpeg



Primary Operating Systems Among Professionals Developers



Source: Enterprise Apps Today

FSF announces Librephone project

by [Free Software Foundation](#) — Published on Oct 14, 2025 03:09 PM

BOSTON, Massachusetts, USA (Tuesday, October 14, 2025) — The Free Software Foundation (FSF) today announced its project to bring mobile phone freedom to users. "Librephone" is an initiative to reverse-engineer obstacles preventing mobile phone freedom until its goal is achieved.

[Librephone](#) is a new initiative by the [FSF](#) with the goal of bringing *full* freedom to the mobile computing environment. The vast majority of software users around the world use a mobile phone as their primary computing device. After forty years of advocacy for computing freedom, the FSF will now work to bring the right to [study, change, share, and modify](#) the programs users depend on in their daily lives to mobile phones.

"Forty years ago, when the FSF was founded, our focus was on providing an operating system people could use on desktop and server computers in freedom. Times have changed, technology has progressed, but our commitment to freedom hasn't," said Zoë Kooyman, executive director of the FSF. "A lot of work has been done in mobile phone freedom over the years that we'll be building on. The FSF is now ready to do what is necessary to bring freedom to cell phone users. Given the complexity of the devices, this work will take time, but we're used to playing the long game."

Practically, Librephone aims to close the last gaps between existing distributions of the Android operating system and software freedom. The FSF has hired experienced developer Rob Savoye (DejaGNU, Gnash, OpenStreetMap, and more) to lead the technical project. He is currently investigating the state of device firmware and binary blobs in other mobile phone freedom projects, prioritizing the free software work done by the not entirely free software mobile phone operating system LineageOS.

The initial work is funded by a donation from FSF board member John Gilmore, who explained, "I have enjoyed using a mobile phone running LineageOS with MicroG and F-Droid for years, which eliminates the spyware and control that Google embeds in standard Android phones. I later discovered that the LineageOS distribution links in significant proprietary binary modules copied from the firmware of particular phones. Rather than accept this sad situation, I looked for collaborators to reverse-engineer and replace those proprietary modules with fully free software, for at least one modern phone."

Triaging existing packages and device compatibility to find a phone with the fewest, most fixable freedom problems is the first step. From there, the FSF and Savoye aim to reverse-engineer and replace the remaining nonfree software. Librephone will serve existing developers and projects who aim to build a fully functioning and free (as in freedom) Android-compatible OS.

The FSF has been supporting earlier free software mobile phone projects such as [Replicant](#), and is excited to launch this new effort. Gilmore added: "We were lucky to find Rob Savoye, a great engineer with decades of experience in free software, embedded systems, and project management."

When asked to comment on the project, Savoye said: "As a long-time embedded systems engineer who has worked on mobile devices for decades, I'm looking forward to this opportunity to work towards a freedom-supporting phone and help users gain control over their phone hardware."

How to Get Involved

Coding only?

- No! Writing documentation, testing, translation, and design also matter
- You can contribute by writing tutorials or blogs
- Even spreading awareness counts as contribution

Which projects?

- Pick projects you already use (VS Code, Python, React)
- Check "good first issue" on GitHub/GitLab
- Choose active communities with beginner-friendly repos

Communities

- Join GitHub discussions, Slack/Discord, mailing lists
- Ask questions politely, follow code of conduct
- Learn from others' pull requests

What Not to do?

Update Readme.md #6823

Closed

Jai-Sandhu-Mex wants to merge 1 commit into `expressjs:master` from `Jai-Sandhu-Mex:master`

Conversation 1

Commits 1

Checks 2

Files changed 1

Changes from all commitsFile filterConversationsJump to

0 / 1 files viewedAsk CopilotReview changes

Readme.md

@@ -4,7 +4,8 @@

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Documents Update #39

Closed

mohitsaha123 wants to merge 1 commit into `hundredrabbits:`

Conversation 0

Commits 1

Checks 0

Changes from all commitsFile filter...Jump to...

2 README.md

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











































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12 / 19

  Update Readme.md	#6830 by FijiAura was closed last week • Review required	
  Added my name in all files except Readme.md ✓	#6829 by AdrBog was closed last week • Review required	 4
  major fix readme.md ✓	#6827 by alok059 was closed last week • Review required	
  Update Readme.md ✓	#6826 by MeowGurl was closed last week • Review required	 6
  Update Readme.md ✓	#6825 by saltymango2619 was closed last week • Review required	 9
  Update Readme.md ✓	#6824 by wasdhjklxyz was closed last week • Review required	 1
  Update Readme.md ✓	#6823 by Jai-Sandhu-Mex was closed last week • Review required	 1
  enhancement: added script to auto block spam readme changes ✓	#6822 by rahul-sahanii was closed last week • Review required	  1
  Update and rename Readme.md to READ.ME ✓	#6821 by ghost was closed last week • Review required	
  Update Readme.md ✓	#6818 by 08vv was closed last week • Review required	
  Update Readme.md ✓	#6815 by siddharthNirmale was closed last week • Review required	 1
  Update Readme.md ✓	#6814 by imbkz was closed last week • Review required	 3
  Update Readme.md ✓	#6812 by maximosnolan was closed last week • Review required	
  Update README.md ✓	#6811 by maximosnolan was closed last week • Review required	 2
  Automatically close PRs named "Update Readme.md" ✓	#6810 by maximosnolan was closed last week • Review required	  14
  Update Readme.md for me ✓		

Competitions & Programs





Starts From March

Stripend : \$1,200

Starts From December

Stripend: €500 - €1200

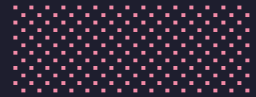


Starts From July

Stripend: ₹20,000 - ₹40,000

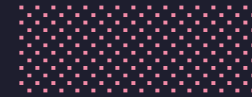


Resources



Github

- <https://www.youtube.com/watch?v=rH3zE7VlIMs&t=6858s>
- <https://www.youtube.com/watch?v=q8EevlEpQ2A&t=8645s>



GSOC

- <https://www.gsocorganizations.dev/>

One More thing about this PPT

▒ This PPT is hosted on a Raspberry Pi (Opensource)

▒ This PPT is made on Presenterm (Opensource)

▒ You can view this PPT by going to this link :

```
echo 'http://10.71.228.105:1234/pdf' | qrencode -t  
utf8i -l M
```

[finished]

▒ SSID - Dhruv's
A17

▒ password -
brrr54333




Contact me

 Github

```
echo 'https://github.com/tushar1977' |  
qrcode -t utf8i -l M
```

[finished]



 LinkedIn

```
echo '  
https://linkedin.com/tushar1977124' |  
qrcode -t utf8i -l M
```

[finished]



