Title: Opportunities for New Developers in the Wikipedia Community

With: Vasanth, Gopa

Agenda

- Wikimedia ecosystem
- Technical areas and projects for new developers
- Efforts to onboard new developers

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Wikimedia Ecosystem

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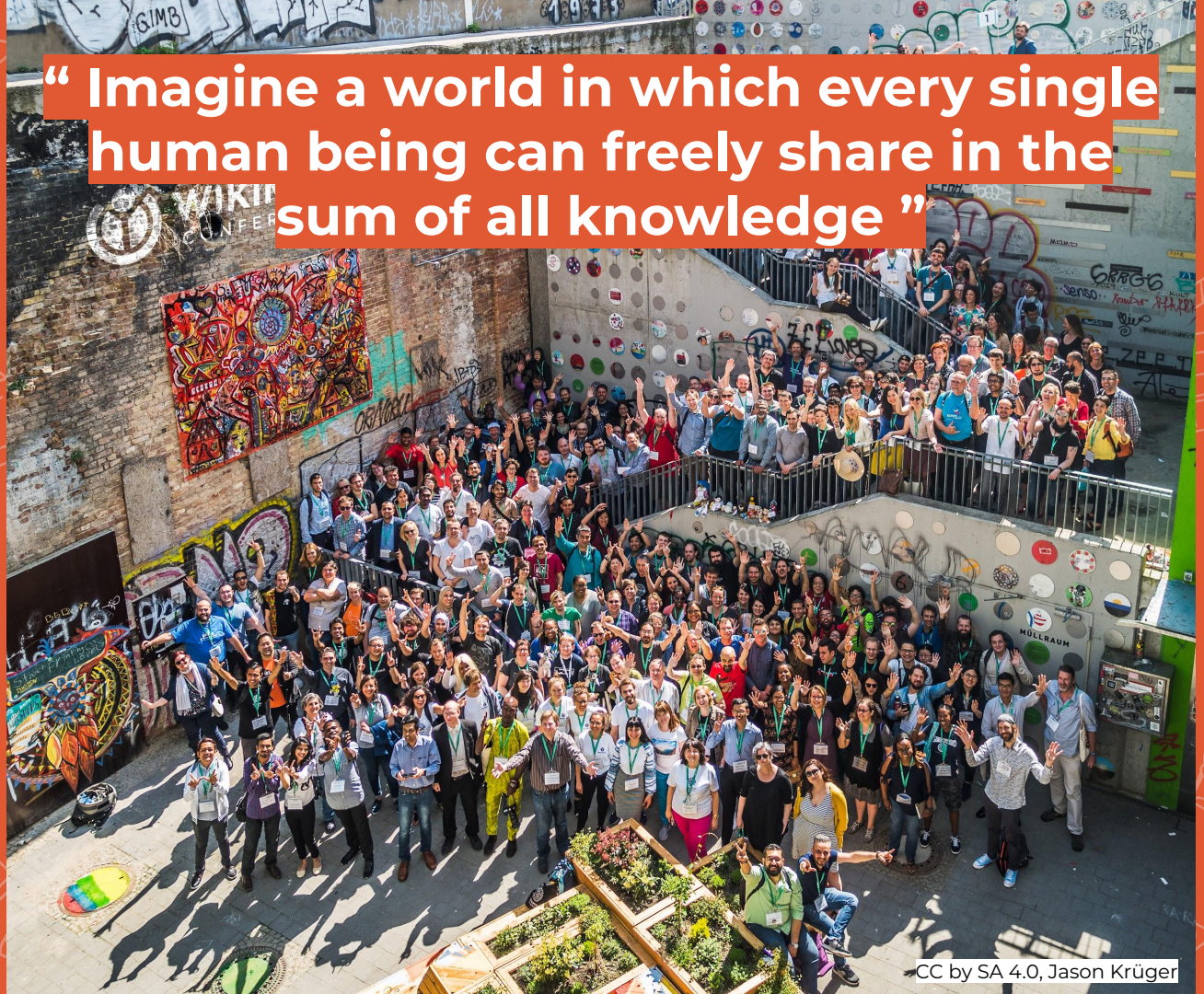
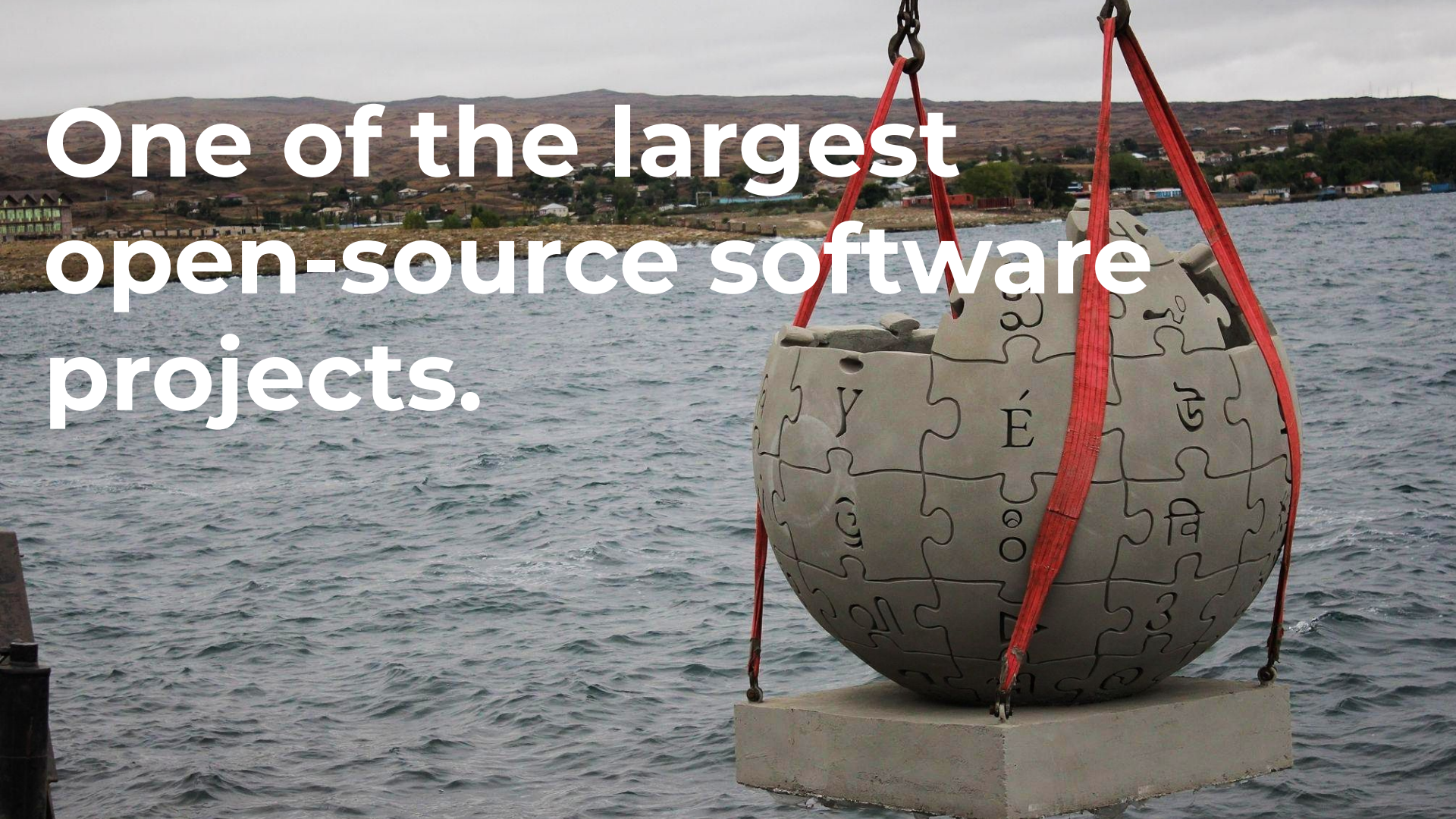
This *might* be a bit confusing..


“ Imagine a world in which every single human being can freely share in the sum of all knowledge ”
CC by SA 4.0, Jason Krüger

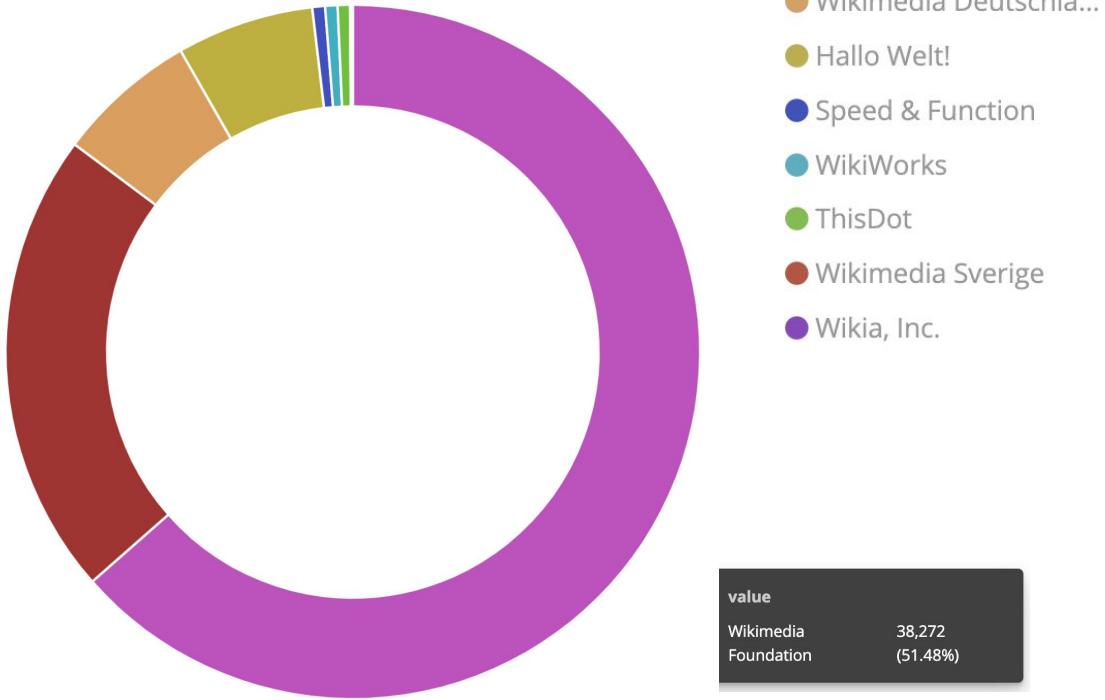
Who makes technical contributions to Wikipedia community?


One of the largest
open-source software
projects.

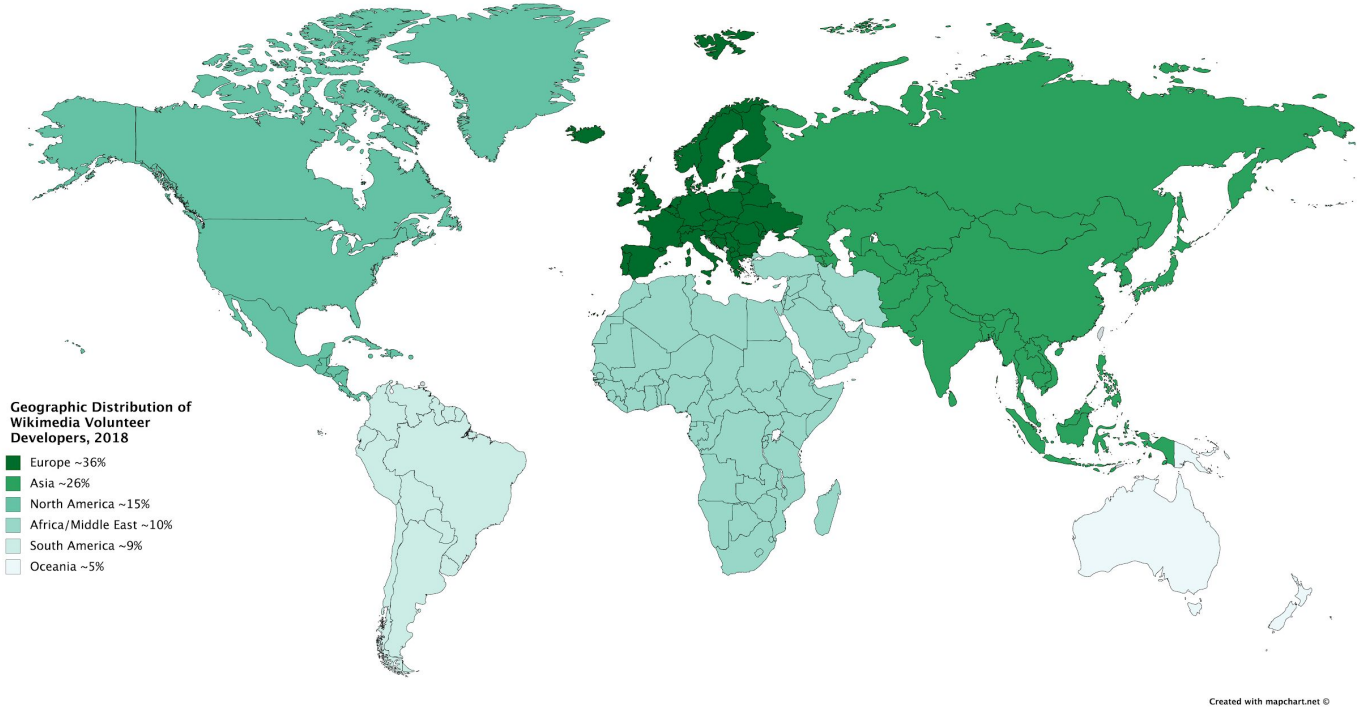
36.5% code contributions from outside of the Wikimedia Foundation

Received by independent volunteers and other organizations (July 21–June 22)

- ➜ **588** contributors
- ➜ **1,281** repositories
- ➜ **51,284** software changes



Geographic Distribution of Wikimedia Volunteer Developers (2017-18)



Wikipedia technical community

How to Contribute?

Four-step process

- Pick a task related to a Wikimedia project or technical area
- Set up the development environment
- Choose and solve a task
- Submit your code changes

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Step 1

Pick a task related to a Wikimedia project or technical area

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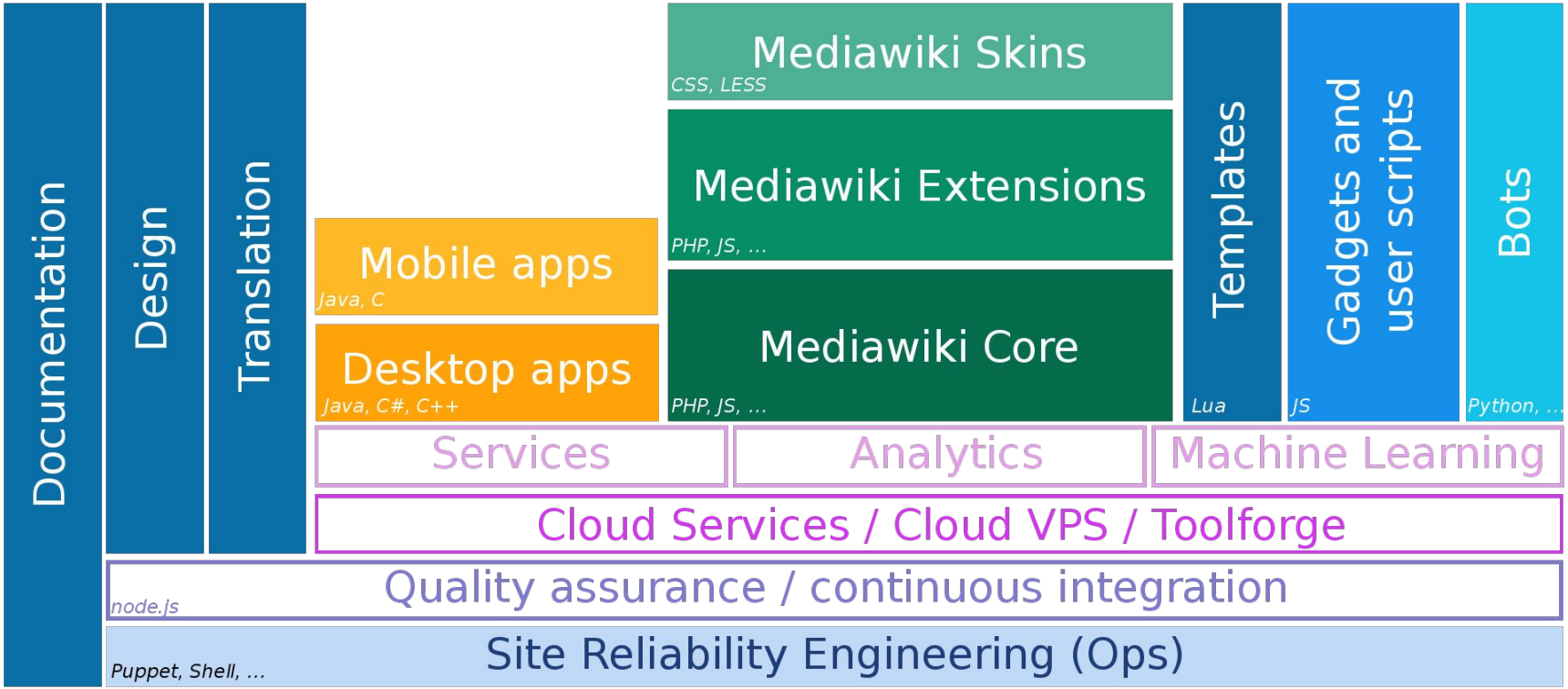
CC by SA 2.5, Erik Strandberg

Wikimedia Projects

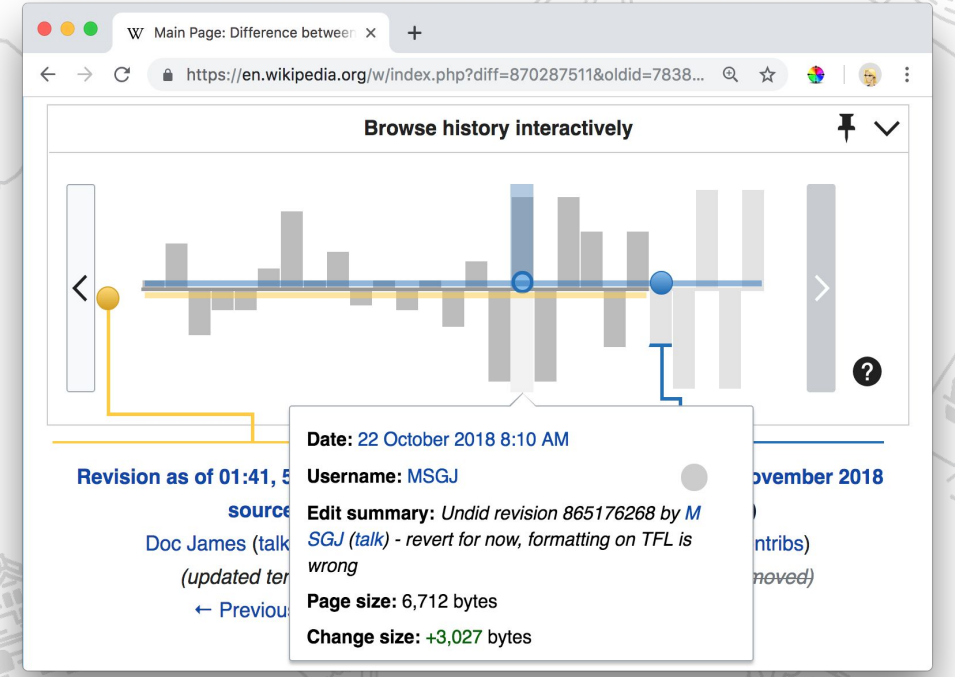
CC by SA 3.0, Wikimedia Foundation

Technical areas



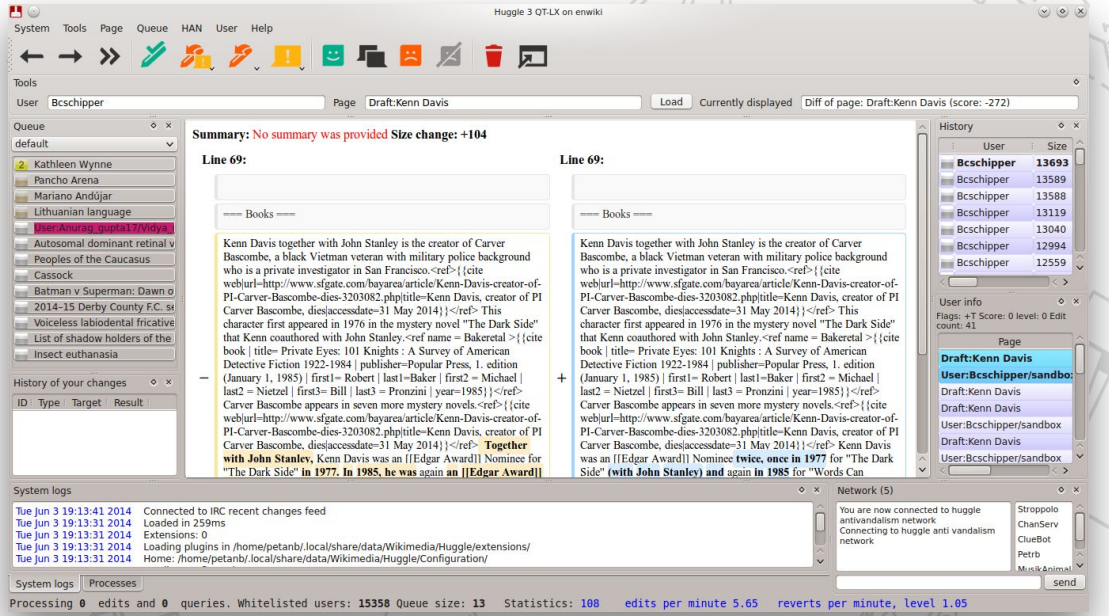
CC by SA 3.0, AGreen (WMF)

MediaWiki Extensions



Screenshot of an Extension: Revision Slider

Desktop Apps



Screenshot of a Desktop app: Huggle

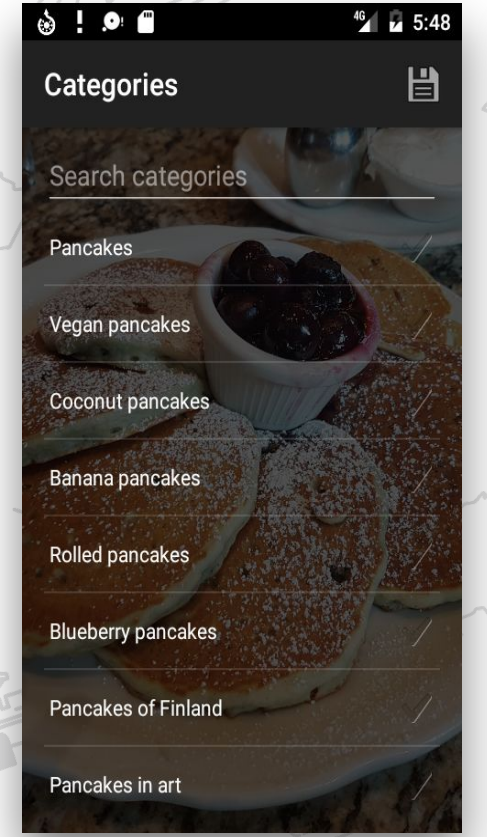
CC by SA 3.0, Petrb

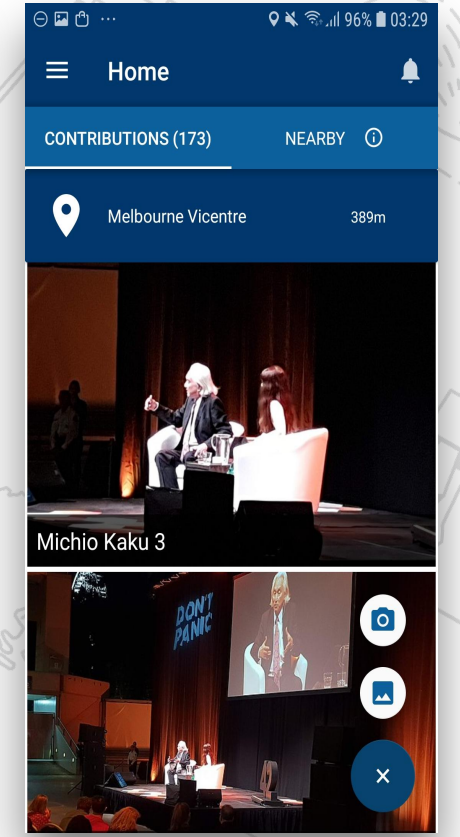
Desktop Apps

Screenshot of Kiwix running Wikipedia on an OLPC laptop

CC by SA 3.0, Victorgrrigas

Mobile Apps

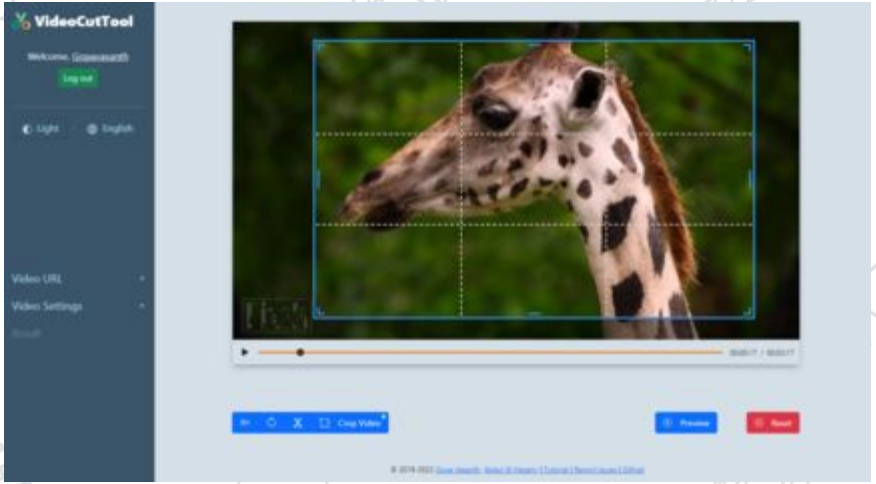




Wikimedia Commons app

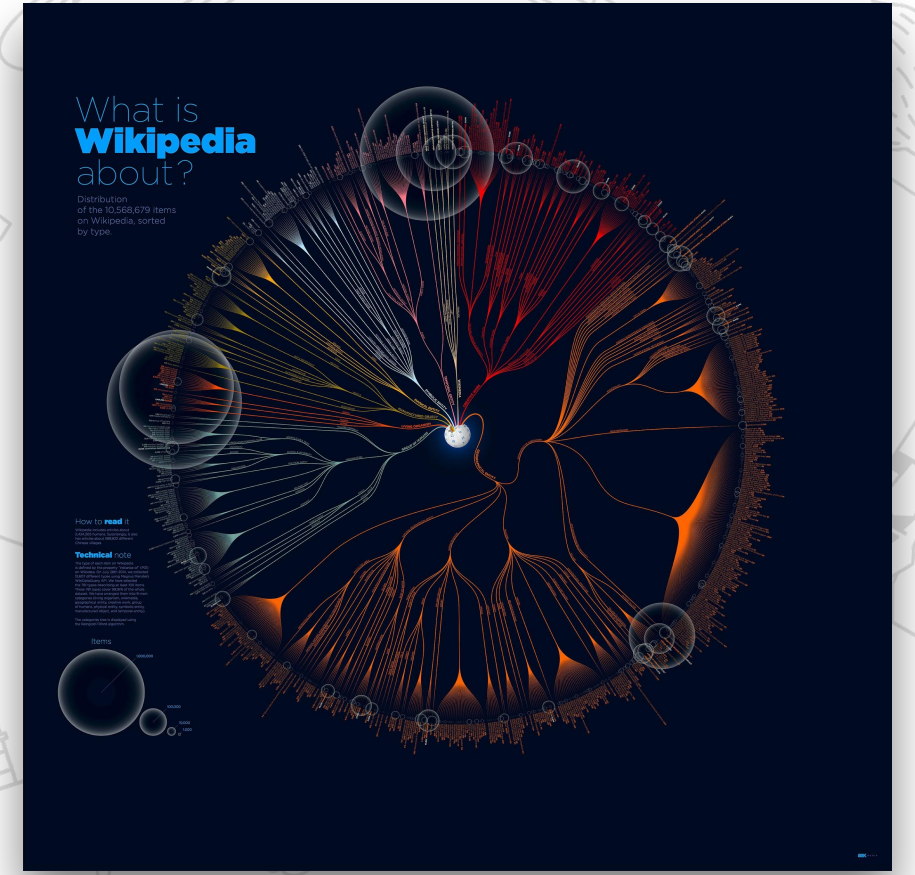
CC by SA 4.0, Misachan2

Tools & Bots



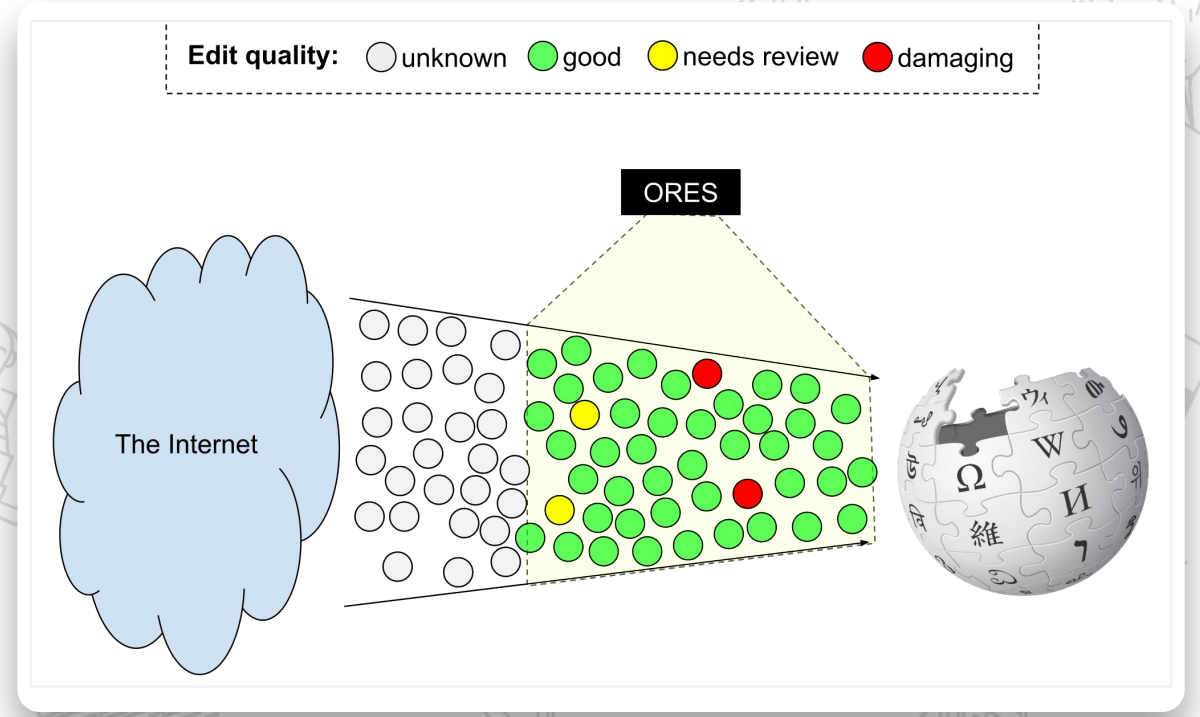
Example of a Tool: VideoCutTool

Analytics



http://seealso.org/

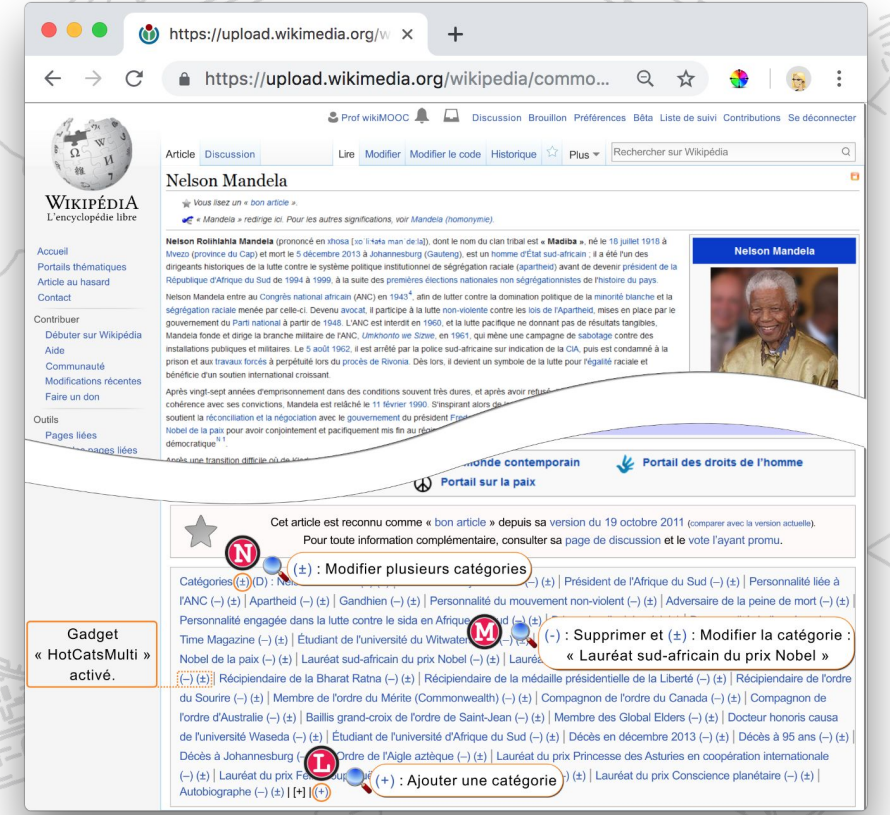
Machine Learning



ORES edit quality flow

CC by SA 4.0, EpochFail

Gadgets



Screenshot of a Gadget: HotCat

Other Major Areas

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Step 2

Set up the development environment

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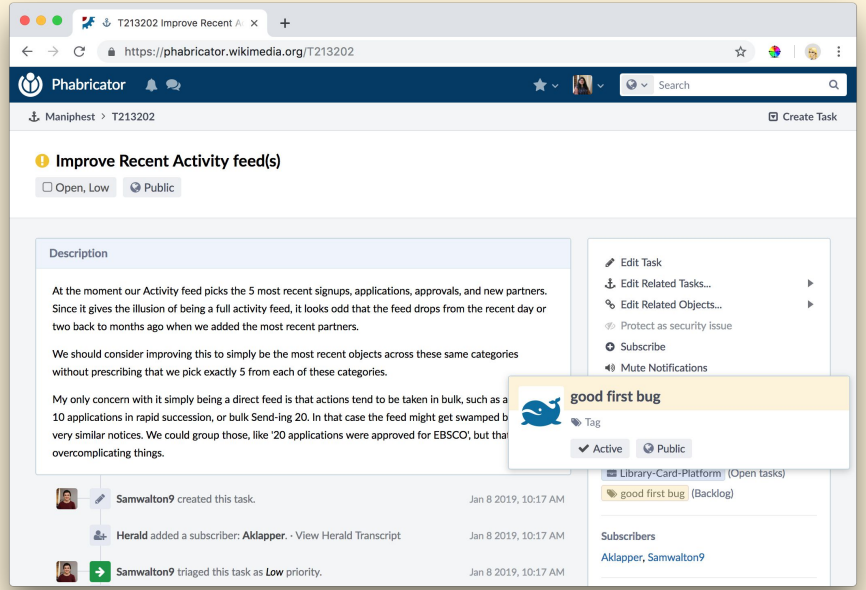
CC by SA 4.0, Zachary McCune

Step 3

Choose and solve a task



https://phabricator.wikimedia.org/

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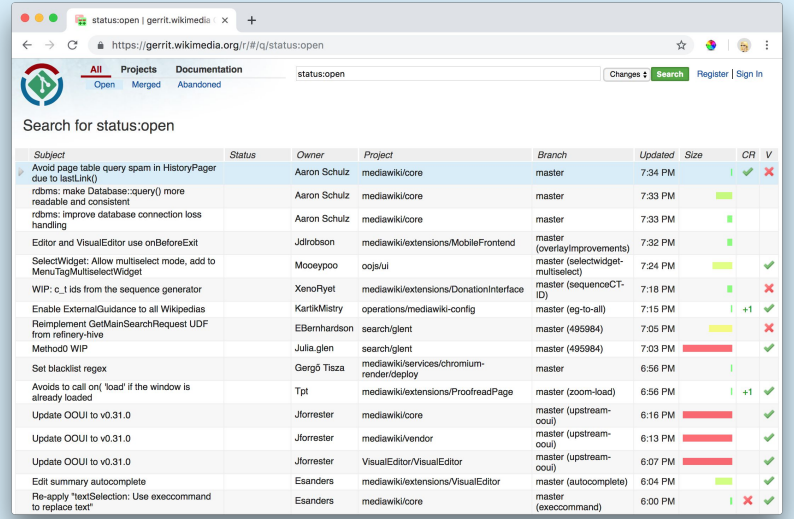
Step 4

Submit your code changes



https://gerrit.wikimedia.org/

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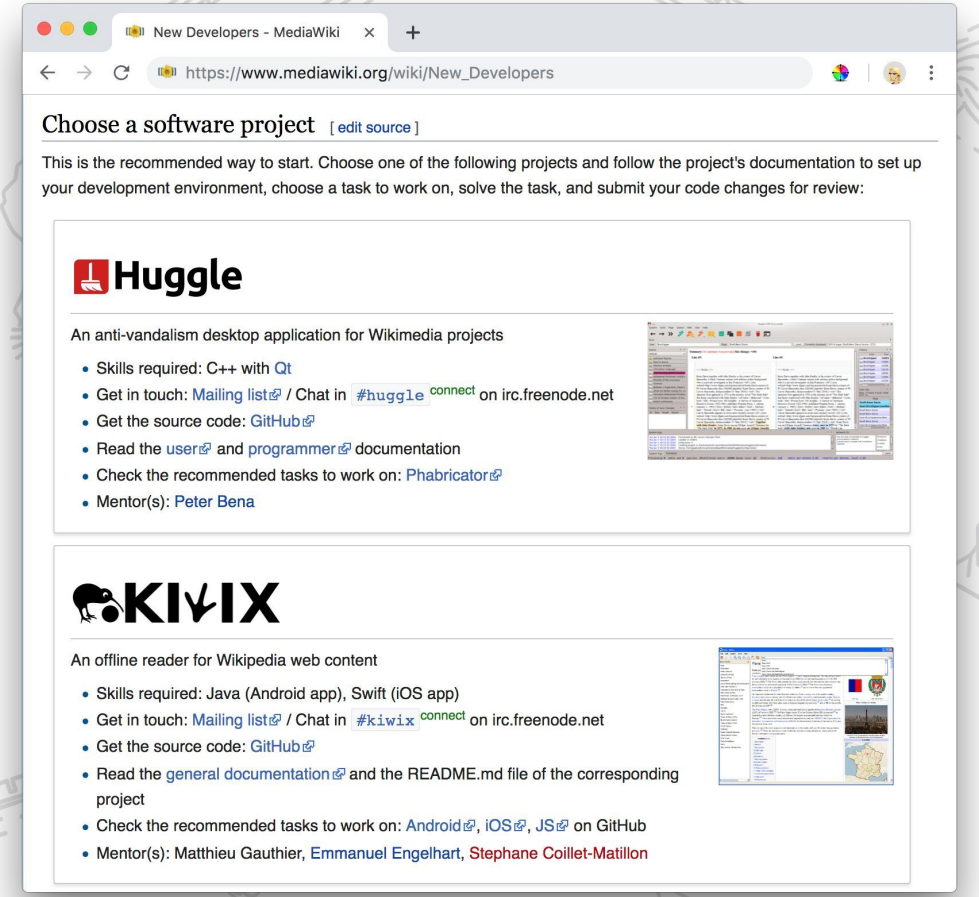
Resources for volunteer developers

CC by SA 4.0, Tomere

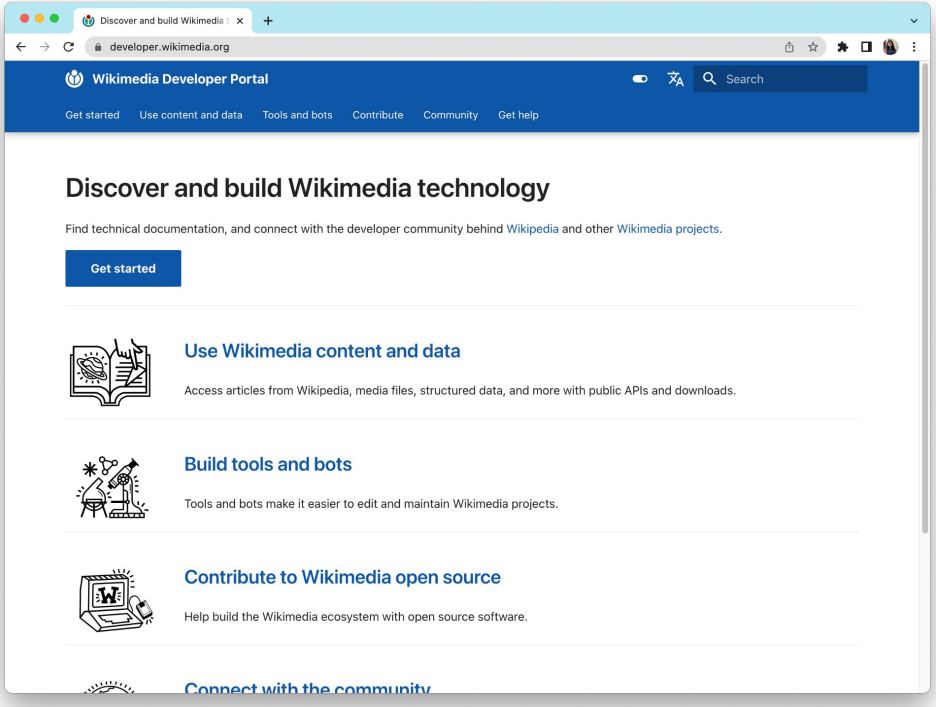
New Developers Guide



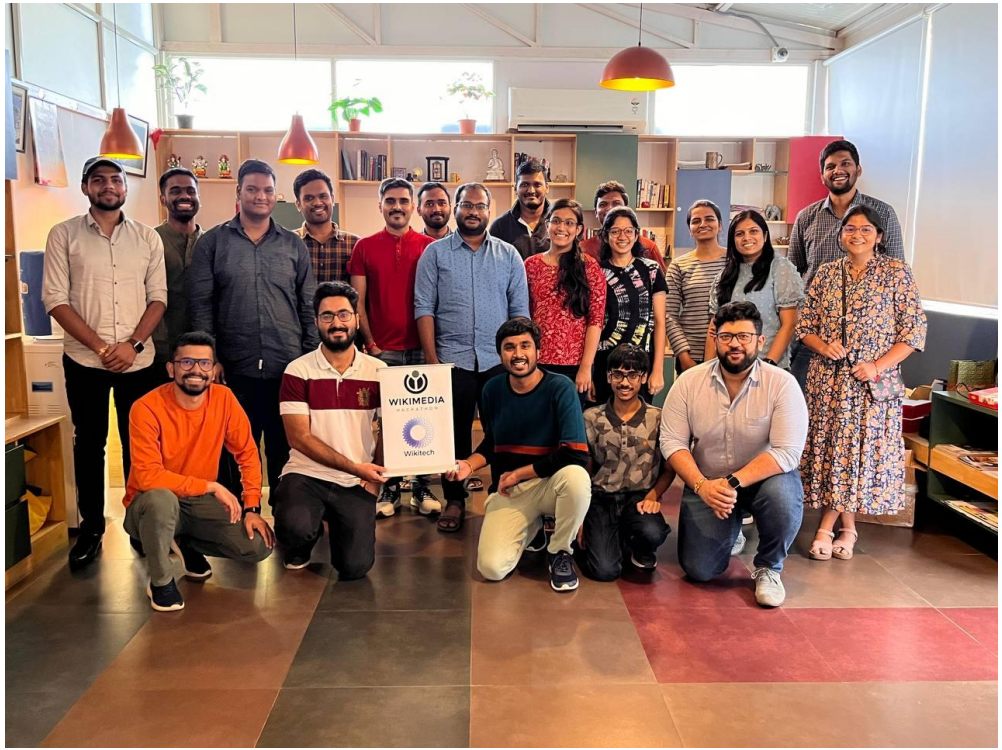
https://www.mediawiki.org/wiki/New_Developers

Developer Resources

https://developer.wikimedia.org



Local community initiatives



INDIC
MEDIAWIKI DEVELOPERS
USER GROUP

Small Wiki Toolkits

What makes Wikimedia volunteers contribute?

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CC by SA 3.0, Lane Hartwell

Open source outreach & mentoring programs

software freedom conservancy

OUTREACHY

Google

Google Summer of Code

About GSoC & Outreachy

- 3-month long paid internship
- Support groups underrepresented in tech
- Remote
- Coding & non-coding projects
- Twice in a year: May-August & December-February

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Application process

- Check the eligibility criteria
- Pick 1 or 2 projects
- Make small, consistent contributions to a project
- Record / keep track of your contributions
- Complete your final application

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Tips for a successful application

- Start early
- Choose a project that fits your interests and skills
- Focus more on quality contributions
- Get early feedback on your proposal
- Ask questions early and often
- Follow the norms of the community and all project updates

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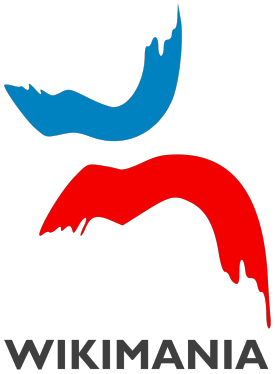
Hackathons & events

Programs & Events



Community recognition

WIKIMEDIA '21 COOLEST TOOL AWARD

PAWS

2021 COOLEST TOOL AWARD WINNER

in the category
Editor

Support Channels

https://www.mediawiki.org/wiki/Discourse

https://t.me/wmhack

https://wikimedia.zulipchat.com/

Thank you

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Twitter: @gopavasanth1999

References

- Wikimedia Ecosystem
  - Technical contributions overview source

    https://wikimedia.biterg.io/goto/b6b44987ee5deec0becd728a8a655870

- Technical areas and projects for new developers
  - Complete list of Wikimedia projects https://www.wikimedia.org/
  - How to contribute https://www.mediawiki.org/wiki/How_to_contribute
  - New developers guide https://www.mediawiki.org/wiki/New_Developers
  - Extension:RevisionSlider https://www.mediawiki.org/wiki/Extension:RevisionSlider
  - Programs and events dashboard https://outreachdashboard.wmflabs.org/
  - Gadgets https://www.mediawiki.org/wiki/Gadget_kitchen

References

- Onboarding new developers
  - How technical collaboration is bringing new developers into Wikimedia
    https://blog.wikimedia.org/2017/10/05/technical-collaboration-new-developers/
  - Wikimedia Foundation collaborates with two initiatives
    https://wikimediafoundation.org/2018/10/12/wikimedia-foundation-collaboration-os_sn-posse/
  - Gerrit newcomer bot
    https://medium.com/@Srish_Aka_Tux/gerrit-newcomer-bot-one-small-step-to-welc_oming-new-developers-and-tracking-their-patches-50cc6eebf34d
  - Support channels
    - https://discourse-mediawiki.wmflabs.org
    - https://wikimedia.zulipchat.com/

Credits

- Wikimedia Developer Advocacy team: Srishti Sethi.

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