Sharing Opportunities for New Developers in the Wikipedia Community

Srishti Sethi
Agenda

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

trademarks Markenrechte
recognizes erkennt an
owner Eigentümerin
volunteers Ehrenamtliche
Wikimedia Movement

trademarks Markenrechte

recognizes erkennt an

owner Eigentümerin

affiliations | Organisationen

volunteers Ehrenamtliche

Memory Alpha Karlsruhewiki

Open Street Map

not even a wiki nicht einmal ein Wiki

other wikis andere wikis

Wikipedia Wikidata W. Commons Wikisource et. al. | u.a.

Wikileaks

CC by SA 4.0, Ziko van Dijk
Who makes technical contributions to Wikipedia community?
Geographic Distribution of Wikimedia Volunteer Developers (2017-18)
Technical Contributions Overview (2017-18)

- 413 contributors
- 48,652 commits
- 1,363 repositories
- 60% volunteers
- 18% of commits
New Developers Added in 2017-18

- Q3 2017
- Q4 2017
- Q1 2018
- Q2 2018
What makes Wikimedia volunteers contribute?
WIKIPEDIA NEEDS YOU!
Four-step process

1. Pick a task related to a Wikimedia project or technical area
2. Set up the development environment
3. Choose and solve a task
4. Submit your code changes
Step 1
Pick a task related to a Wikimedia project or technical area
Technical areas

Documentation | Design | Translation

Mobile apps (Java, C) | Desktop apps (Java, C#, C++)

Mediawiki Core (PHP, JS, ...)
Mediawiki Extensions (PHP, JS, ...)
Mediawiki Skins (CSS, LESS)

Templates (Lua, JS, Python, ...)
Gadgets and user scripts (JS)
Bots (Python, ...)

Services
Analytics
Machine Learning

Cloud Services / Cloud VPS / Toolforge
Quality assurance / continuous integration
Site Reliability Engineering (Ops)

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, Victorrrigas
Mobile Apps

Wikimedia Commons app

CC by SA 4.0, Misachan2
Tools & Bots

Example of a Tool: Programs & Events Dashboard
Analytics

http://seealso.org/
Machine Learning

ORES edit quality flow

CC by SA 4.0, EpochFail
Gadgets
Other Major Areas

- Design
- Docs
- Translation
- Quality Assurance
Step 2
Set up the development environment
Step 3
Choose and solve a task

https://phabricator.wikimedia.org/
Step 4
Submit your code changes

https://gerrit.wikimedia.org/
Outreach Programs & Events

Google Summer of Code

OUTREACHY

Google Code-in

WIKIMANIA

WIKIMEDIA HACKATHON
Efforts to Onboard New Developers
Onboarding New Developers Program

FY 2017-18
Choose a software project [edit source]

This is the recommended way to start. Choose one of the following projects and follow the project's documentation to set up your development environment, choose a task to work on, solve the task, and submit your code changes for review:

**Huggle**

An anti-vandalism desktop application for Wikimedia projects
- Skills required: C++ with Qt
- Get in touch: Mailing list / Chat in #huggle on irc.freenode.net
- Get the source code: GitHub
- Read the user and programmer documentation
- Check the recommended tasks to work on: Phabricator
- Mentor(s): Peter Bena

**Kiwix**

An offline reader for Wikipedia web content
- Skills required: Java (Android app), Swift (iOS app)
- Get in touch: Mailing list / Chat in #kiwix on irc.freenode.net
- Get the source code: GitHub
- Read the general documentation and the README.md file of the corresponding project
- Check the recommended tasks to work on: Android, iOS, JS on GitHub
- Mentor(s): Matthieu Gauthier, Emmanuel Engelhart, Stephane Coillet-Matillon

---

https://www.mediawiki.org/wiki/New_Developers
Quarterly Surveys and Reports

https://www.mediawiki.org/wiki/New_Developers/Quarterly
Hackathon Mentoring Program

https://www.mediawiki.org/wiki/Hackathons/Handbook/Mentoring_program
Collaboration with OSSN & POSSE
Africa Wikimedia Developers Project

https://www.mediawiki.org/wiki/Africa_Wikimedia_Developers_Project
Gerrit Newcomer Bot

Screenshot of welcome message added by newcomer bot
THANK YOU

Srishti Sethi
✉️ ssethi@wikimedia.org
🐦 @srish_aka_tux
References

➔ Wikimedia Ecosystem
  ◆ Technical contributions overview source
    https://wikimedia.biterg.io/goto/b6b44987ee5deec0becd728a6558700

➔ 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
Onboarding new developers

- How technical collaboration is bringing new developers into Wikimedia
  [https://blog.wikimedia.org/2017/10/05/technical-collaboration-new-developers/](https://blog.wikimedia.org/2017/10/05/technical-collaboration-new-developers/)
- Wikimedia Foundation collaborates with two initiatives
- Gerrit newcomer bot
- Support channels
  - [https://discourse-mediawiki.wmflabs.org](https://discourse-mediawiki.wmflabs.org)
  - [https://wikimedia.zulipchat.com/](https://wikimedia.zulipchat.com/)
Credits

➔ Wikimedia Developer Advocacy team
➔ Wikimedia Austria chapter for their work on the Hackathon Mentoring Program
➔ Africa Wikimedia Developers Project for coordinating outreach efforts in Africa
➔ Friends and colleagues: Suchakra Sharma, Sarah Rodlund, Andre Klapper, Bryan Davis, Rachel Farrand, Quim Gil

Copyright © 2019, Srishti Sethi and the Wikimedia Foundation.
This work is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.