

# Report on the Wikimedia Tech Safari Program





WELCOME TO  
WIKIMEDIA TECH  
SAFARI

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Title:  
Wikimedia Tech Safari Program

Date:  
10th February, 2024

Time:  
09:45 -15:30 UTC

# Setting

Where did it happen?

---

Virtually Via Zoom

How about when??

---

10th February, 2024

# Speakers



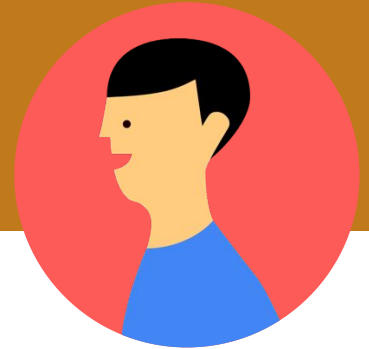
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Lucas  
Werkmeister



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Nicolas Raoul



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Stephane  
Coillet-Matillon

# Speakers



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Andrew  
McAllister



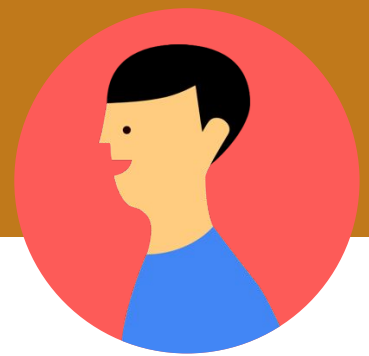
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Joris Darlington  
Quarshie



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Will Yoshida



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James Forrester

# Speakers



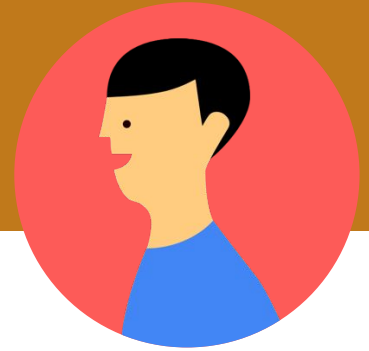
Gopa Vasanth



Raymond Ndibe



Seyram Komla  
Sapaty



Sohom Datta



# **Charting Your Course with Kiwix Development & Localization**

Kiwix is a free, open-source software that allows users to access offline content without an active internet connection. It supports multiple languages, uses the ZIM file format for offline content storage, and is portable across different operating systems. It also offers access to educational content beyond Wikipedia and allows users to create an offline library. Kiwix is open-source, allowing users to modify and distribute it freely. It is particularly useful in areas with limited internet connectivity or natural disasters, contributing to the global mission of making knowledge accessible.



# Charting Your Course with Kiwix Development & Localization ( Cont.)

- Scouting: contribute to development of Kiwix by looking for education content on any platform that you think should be added. This education videos can either be in your local language. Contact the management of Kiwix if you have a video which is an educational or you've come across a video on Youtube which you think should be added. They'll reach out to the owner of the video and have a word with him/her to get the video on kiwix



# Charting Your Course with Kiwix Development & Localization ( Cont.)

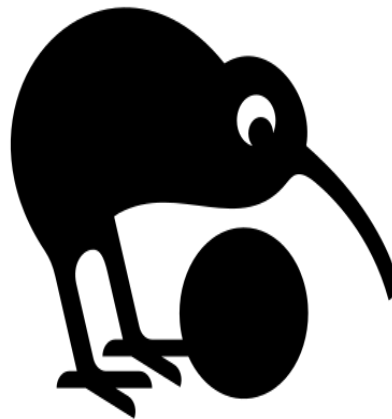
- Translate Wiki: We're encourage to translate kiwix contents to our local language. Translating content into local languages provides numerous benefits, including increased accessibility, improved understanding, cultural sensitivity, inclusivity, community engagement, educational impact, enhanced user experience, and preservation of languages. This strategy broadens the audience, improves comprehension, and acknowledges the diversity of the audience. It also fosters stronger community engagement and aids in effective learning. It enhances user experience and supports communities in preserving endangered languages.



**KIWIX**

# Charting Your Course with Kiwix Development & Localization ( Cont.)

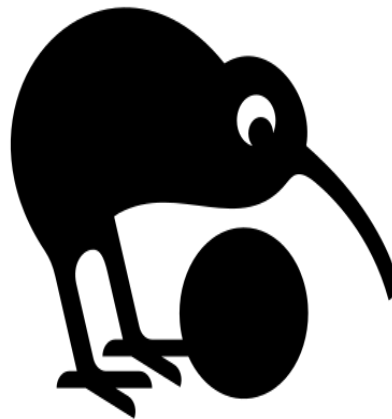
- Developers space: developers are welcomed to help improve the kiwix platform. Their key contributions include code optimization, feature enhancement, bug resolution, scalability solutions, and integration expertise. Python developers must possess strong technical proficiency, problem-solving skills, effective collaboration, adaptability, and quality assurance.



**KIWIX**

# Charting Your Course with Kiwix Development & Localization ( Cont.)

- Graphic designers are also welcomed to help improve the graphic contents on kiwix. They create user interfaces, maintain visual consistency, and integrate brand elements to reinforce brand identity. They also create icons and images that convey functionality and resonate with the target audience. They use visual hierarchy to guide users' attention, implement responsive design principles for different screen sizes and resolutions, and create user feedback mechanisms.



**KIWIX**



**Building Bridges with  
Code: Contribute to  
Wikifunctions and  
Connect the World**



**WIKIFUNCTIONS**

# What is Wikifunction?

Wikifunctions is a collaboratively edited catalog of computer functions to enable the creation, modification, and reuse of source code. It is closely related to Abstract Wikipedia, an extension of Wikidata to create a language-independent version of Wikipedia using its structured data.



**WIKIFUNCTIONS**

Wikifunctions is a new project by the Wikimedia Foundation that is currently under development. Some features are [in development](#). You can find more information about the project [on Meta-Wiki](#). [dismiss]


Main Page [Discussion](#)

Read [View source](#) [View history](#) [Tools](#) ▾



## Welcome to Wikifunctions

Wikifunctions is a [free library of functions](#) that anyone can edit.

 **Welcome!**

**Wikifunctions** is a Wikimedia project for everyone to collaboratively create and maintain a library of code functions to support the Wikimedia projects and beyond, in the world's natural and programming languages.

A "function" is a sequence of programming instructions that makes a

 **Get started**

**Wikifunctions in 7 minutes**  

Participant thumbnails and names:

- zoom zoom (Host, me)
- Gbemisola Esho
- Rukaya Hamidu
- Tusk media



AV From ADAMU VICTORIA ENECHOJO to Everyone  
Hi

Participants (95)

- Find a participant
- Z zoom zoom (Host, me)
  - LW Lucas Werkmeister
  - RH Rukaya Hamidu
  - AB Abakar B
  - AS Adams Seth
  - AV ADAMU VICTORIA ENECHOJO
  - Agnes
  - AM Alex Method
  - A Alhassan Benayti Siibaway
  - A Alvin
  - AA Amina Abeid Dauda
  - AM Antoni Mtavangu (he/him)
  - A Assilidjoe
  - Augustino Otto

Zoom Meeting Control Bar:

- Unmute
- Start Video
- Security
- Share Screen
- Summary
- AI Companion
- Apps
- Whiteboards
- Notes
- More (20)
- End

Participant Actions:

- Invite
- Mute All
- More



# Tool Forge Pass Deep Dive: What is it? how do you deploy your code on it?

Wikimedia Toolforge is a Wikimedia Foundation-provided hosting environment that enables developers to create and deploy tools and applications for Wikimedia projects. Key features include web hosting, shell access, database access, version control, integration with Wikimedia projects, community collaboration, open-source philosophy, and dynamic resource allocation. Tools developed on Toolforge can be integrated with various Wikimedia projects, promoting collaboration and improving the Wikimedia experience. The platform encourages developers to contribute to the improvement of Wikimedia projects worldwide, reflecting the Wikimedia Foundation's collaborative and open nature.



# Credits



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Talking: raymondndibe

View

Recording...

tech-safari-app

EXPLORER

- app.py
- Procfille

OPEN EDITORS

- app.py
- Procfille

TECH-SAFARI-APP

- app.py
- LICENSE
- Procfille
- README.md
- requirements.txt

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS

```

46:19.772191546Z id = "heroku/clojure"
[step-inject-buildpacks] 2024-02-10T08:46:19.772195724Z version = "0.1"
[step-inject-buildpacks] 2024-02-10T08:46:19.772237434Z api = "0.10"
[step-inject-buildpacks] 2024-02-10T08:46:19.772243192Z optional = false
[step-inject-buildpacks] 2024-02-10T08:46:19.772247445Z [[order.group]]
raymondndibe@mf3402 tech-safari-app %
raymondndibe@mf3402 tech-safari-app %
raymondndibe@mf3402 tech-safari-app %
raymondndibe@mf3402 tech-safari-app %
raymondndibe@mf3402 tech-safari-app %
raymondndibe@mf3402 tech-safari-app % ssh raymond-ndibe@login.toolforge.org
Linux tools-sgebastion-10 4.19.0-25-cloud-amd64 #1 SMP Debian 4.19.289-2 (2023-08-08) x86_64
Debian GNU/Linux 10 (buster)
tools-sgebastion-10 is a Toolforge bastion (with Grid Engine access) (wmc::toolforge::grid::bastion)

TOOLFORGE

This is a server of the tools Cloud VPS project, the home of community
managed bots, webservices, and tools supporting the Wikimedia movement.

Use of this system is subject to the Toolforge Terms of Use,
Code of Conduct, and Privacy Policies:
- https://wikitech.wikimedia.org/wiki/Help:Toolforge/Terms_and_conditions

General guidance and help can be found at:
- https://toolforge.org/

The last Puppet run was at Sat Feb 10 11:14:18 UTC 2024 (1 minutes ago).
Last Puppet commit: (3443aa7463) Andrew Bogott - Designate nova_fixed_multi: add some debug lines
Last login: Sat Feb 10 10:57:15 2024 from 102.215.57.42
raymond-ndibe@tools-sgebastion-10:~$ become dummy-tool
tools.dummy-tool@tools-sgebastion-10:~$ ls

```

ssh

zsh

Unmute Start Video Share Screen Summary AI Companion Apps Whiteboards Notes More

76

Leave

Participants (91)




- Z zoom zoom (Me)
- RD Ruby D-Brown (She/Her) (Host)
- R raymondndibe
- SM Sadam muhammad
- Salema Younus
- .
- AB Abakar B
- AS Adams Seth
- A Agnes
- AM Alex Method
- A Alhassan Benayti Siibaway
- AK ALLY KILIWASHA
- A Alvin
- AM Antoni Mtavanou (he/him)

Invite

Unmute Me

Reclaim Host



# **Cut, Craft, Captive: Building the Future of Wiki Videos with VideoCutTool**

VideoCutTool is a revolutionary tool that revolutionizes the way wiki videos are crafted. It offers cutting-edge editing, allowing users to refine video content with precision. The tool focuses on crafting engaging narratives with creative features like smooth transitions and impactful overlays. It also provides customizable visuals, allowing users to infuse personality into their videos. The user-friendly design ensures accessibility for all, and it fosters collaboration by allowing users to share projects and receive feedback. VideoCutTool is a vision for the future of wiki videos, empowering creators to transcend traditional boundaries and create extraordinary narratives.

You are viewing Sohom Datta's screen

View Options

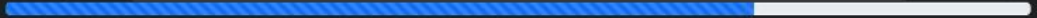
Press ESC or double-click to exit full screen mode

Bitrate  
534.3kbits/s

00:04:58.31

0.324x

Frame  
8937



Current stage: Trimming

GE From Gbemisola Esho to Everyone  
Yes I can

Talking: Vasanth Gopa



Search Wikimedia Commons Search

English Sohom Datta [notifications] [chat] [menu] [profile]

# Preferences

Help

Search preferences

Main menu hide

- Main page
- Welcome
- Community portal
- Village pump
- Help center
- Switch to old look
- Participate
- Upload file
- Recent changes
- Latest files
- Random file
- Contact us

Tools hide

- General
- Upload file
- Special pages
- Printable version
- Get shortened URL
- Download QR code

- User profile
- Appearance
- Editing
- Recent changes
- Watchlist
- Search
- Banners
- Gadgets
- Upload Wizard
- Beta features
- Notifications

## Basic information

Username: Sohom Datta

Member of groups: Autoconfirmed users, Autopatrollers, Users

Connected apps: [Manage 66 connected applications](#)

Number of edits: 246

Registration time: 18:55, 5 November 2019

Password: [Change password](#)

Account recovery is enabled. See [Email options](#) for more settings.

Access account data: [My account data from this project](#)

You may visit your [Preferences page](#) on other Wikimedia projects where you have contributed in order to download your account data from those projects.

Reset settings: [Restore all default preferences \(in all sections\)](#)

Global account: [View your global account info](#)

Two-factor authentication: TOTP (one-time token) [Manage](#)

Global preferences: [Set your global preferences](#)

Preferences set via the global preferences page will apply to all wikis.

## Internationalisation

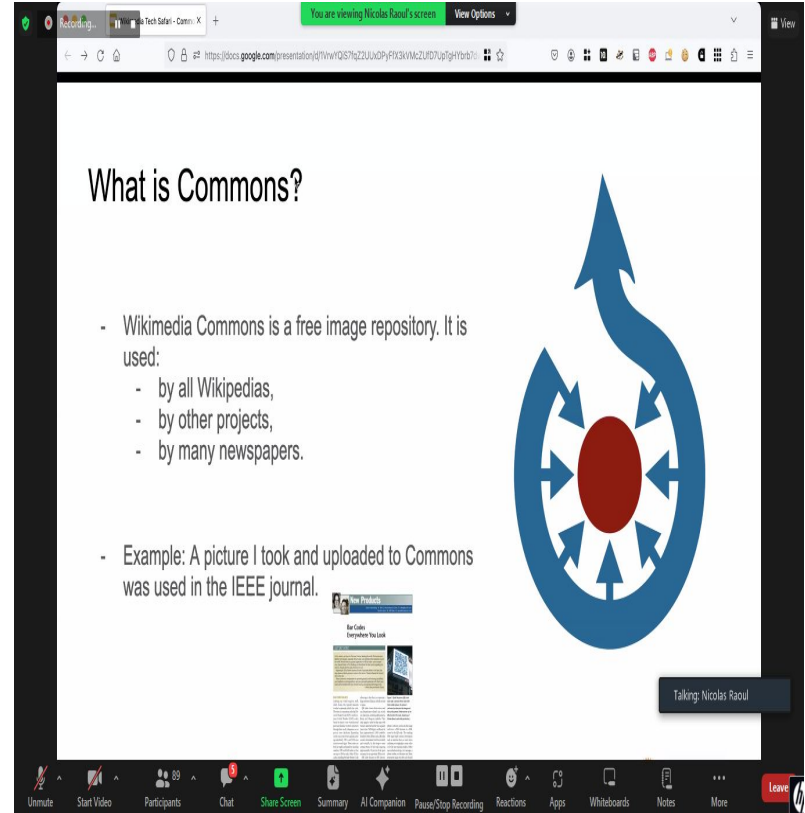
Language: en - English

Set a local exception for this global preference.

Save

Talking: Sohom Datta

# Akwaaba to Commons for Android: Code the App that Lets Your World Share on Wikimedia



The screenshot shows a Google Slides presentation titled "What is Commons?". The slide content includes:

## What is Commons?

- Wikimedia Commons is a free image repository. It is used:
  - by all Wikipedias,
  - by other projects,
  - by many newspapers.
- Example: A picture I took and uploaded to Commons was used in the IEEE journal.

On the right side of the slide, there is a large blue circular graphic with a red center and several blue arrows pointing outwards, symbolizing sharing or distribution. Below the text, there is a small thumbnail image of a newspaper article with the headline "New Products" and sub-headline "Go Code Everywhere You Look".

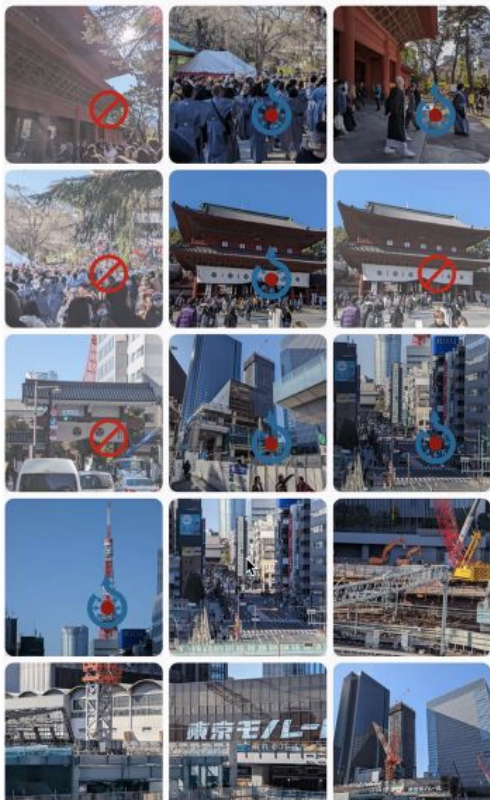
At the bottom right of the slide, there is a small black box with the text "Talking: Nicolas Raoul".

The presentation is viewed in a browser window with the URL <https://docs.google.com/presentation/d/1WvYQ57hZLJkOP-FYK3VMzLUD7UyGhYbdt/>. The browser's address bar shows "You are viewing Nicolas Raoul's screen" and "New Options".

The bottom of the screenshot shows a toolbar with various icons for presentation control, including "Unmute", "Start Video", "Participants", "Chat", "Share Screen", "Summary", "AI Companion", "Pause/Stop Recording", "Reactions", "Apps", "Whiteboards", "Notes", "More", and "Leave".



Show already actioned pictures



# Differentiate already uploaded pictures

Immediately see whether a pic has been already uploaded or not.

Mark family/unencyclopedic/etc pic as not for upload.

Efficiently go through your pictures backlog, by hiding pictures that you have already uploaded or that you don't want to upload.

Talking: Nicolas Raoul





# Type, Translate, Transform: Unlock Languages with Scribe's Code Magic

Scribe's Code Magic is a tool that uses the magic of code to unlock the mysteries of languages, transforming the way we interact with them. It allows users to effortlessly type in their native language, break language barriers, and create a linguistic tapestry that transcends borders. This enables users to communicate, create, and code in languages that resonate with their cultural identity, breaking down barriers and fostering a global community. As Scribe continues to weave its Code Magic, the future holds endless possibilities for digital linguistics, where languages converge, cultures intertwine, and the magic of expression knows no bounds.



## Wikidata Powered Language Keyboards

Andrew McAllister  
Will Yoshida  
Henrik Thomasson  
Maintainers of Scribe

# Scribe

## Wikidata Powered Language Keyboards

Andrew McAllister  
Will Yoshida  
Henrik Thomasson  
Maintainers of Scribe



**WIKIMEDIA TECH  
SAFARI PROGRAM**

Talking: Andrew



henrikthomasson



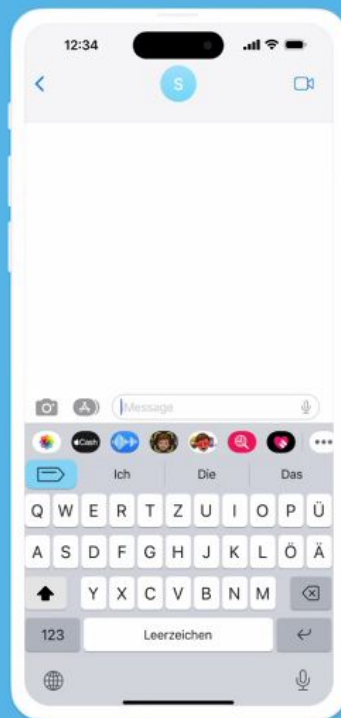
View

Recording...

# Schedule

- Presentation (~30 min)
  - Short Introduction
  - iOS Demo
  - Scribe Structure
  - Wikidata + Data Process
  - Future Plans
- Discussion (rest of session)

\* Questions always welcome!



Participants (83)



Find a participant

Z	zoom zoom (Me)		
SY	Sanie Yahya (Host)		
A	Andrew		
E	eyael		
.	.		
AB	Abakar B		
AI	Abel Idoko		
A	Agnes		
AM	Alex Method		
AK	ALLY KILIWASHA		
A	Alvin		
A	Amarachi Ruth		
AM	Antoni Mtavangu (he/him)		
A	Accilidina		

Invite

Unmute Me

Reclaim Host

Unmute

Start Video

Share Screen

Summary

AI Companion

Apps

Whiteboards

Notes

More

Leave

**ios Scribe**

**Keyboard Installation**

1. Open Settings
2. In General do the following:
  - Keyboard
  - Keyboards
  - Add New Keyboard
3. Select Scribe and then activate keyboards
4. When typing press to select keyboards

**From Merit Ibekeme to Everyone**

Yes

**Participants (87)**

Find a participant

- zoom zoom (Me)
- Sanie Yahya (Host)
- Andrew
- Abakar B
- Abel Idoko
- Agnes
- Alex Method
- ALLY KILIWASHA
- Alvin
- Amarachi Ruth
- Amina Abeid Dauda
- Assilidjoe
- R

Invite Unmute Me Reclaim Host



henrikthomasson

henrikthomasson



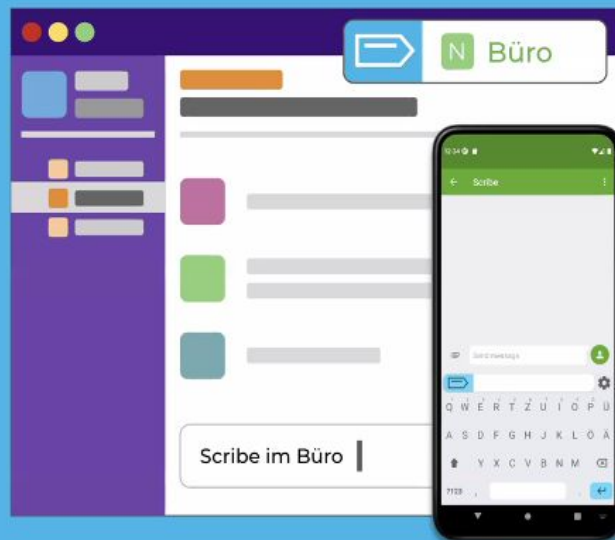
Gbemisola Esho

View

Recording...

## Future Plans

- [Scribe-iOS v3.0](#) in Swift
- [Scribe-Server](#) API in Golang
- [Website](#) in Vue.js
- [Scribe-Android](#) in Kotlin
- [Scribe-Desktop](#) GUI in Rust
- More languages
  - English, Norwegian and more!
  - See [Scribe-Data](#) files (Python)
- Join our Matrix/dev syncs!



Participants (73)

Find a participant

	zoom zoom (Me)		
	Sanie Yahya (Host)		
	Andrew		
	henrikthomasson		
	.		
	Abakar B		
	Agnes		
	Alex Method		
	ALLY KILIWASHA		
	Alvin		
	Antoni Mtavangu (he/him)		
	Assilidjoe		
	B		
	haluku brian halbri		

Unmute

Start Video

Share Screen

Summary

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Whiteboards

Notes

More

24

Leave

Invite

Unmute Me

Reclaim Host



# Cloud Code Conquest: Build the Future of the Wikiverse with Wikimedia Cloud Services

Cloud services offer free hosting tools for users to deploy websites, applications, and projects without incurring costs. Popular options include GitHub Pages, Netlify, Vercel, Heroku, Firebase Hosting, Glitch, Amazon S3, and Microsoft Azure Static Web Apps. GitHub Pages allows users to host static websites directly from their repositories, while Netlify offers continuous deployment, automatic HTTPS, and serverless functions. Vercel is a frontend deployment platform with serverless functions and basic hosting services. Firebase Hosting offers fast, secure hosting with CDN delivery and automatic SSL. Glitch is a collaborative web app hosting platform suitable for projects built with Node.js. Amazon S3 is a scalable storage service for hosting static websites, while Microsoft Azure Static Web Apps integrates with GitHub for seamless deployment.



The slide features a blue background with a pattern of white line-art icons representing various fields of study and technology, such as a globe, a microscope, a film camera, a lightbulb, a person, a book, a computer monitor, a globe, a person, a book, a computer monitor, a globe, a person, a book, a computer monitor. The main text is centered and reads: "Introduction to Wikimedia Cloud Services: Free tools hosting". Below the text is the Wikimedia Foundation logo, which consists of a stylized white figure inside a circle, with the words "WIKIMEDIA FOUNDATION" underneath.



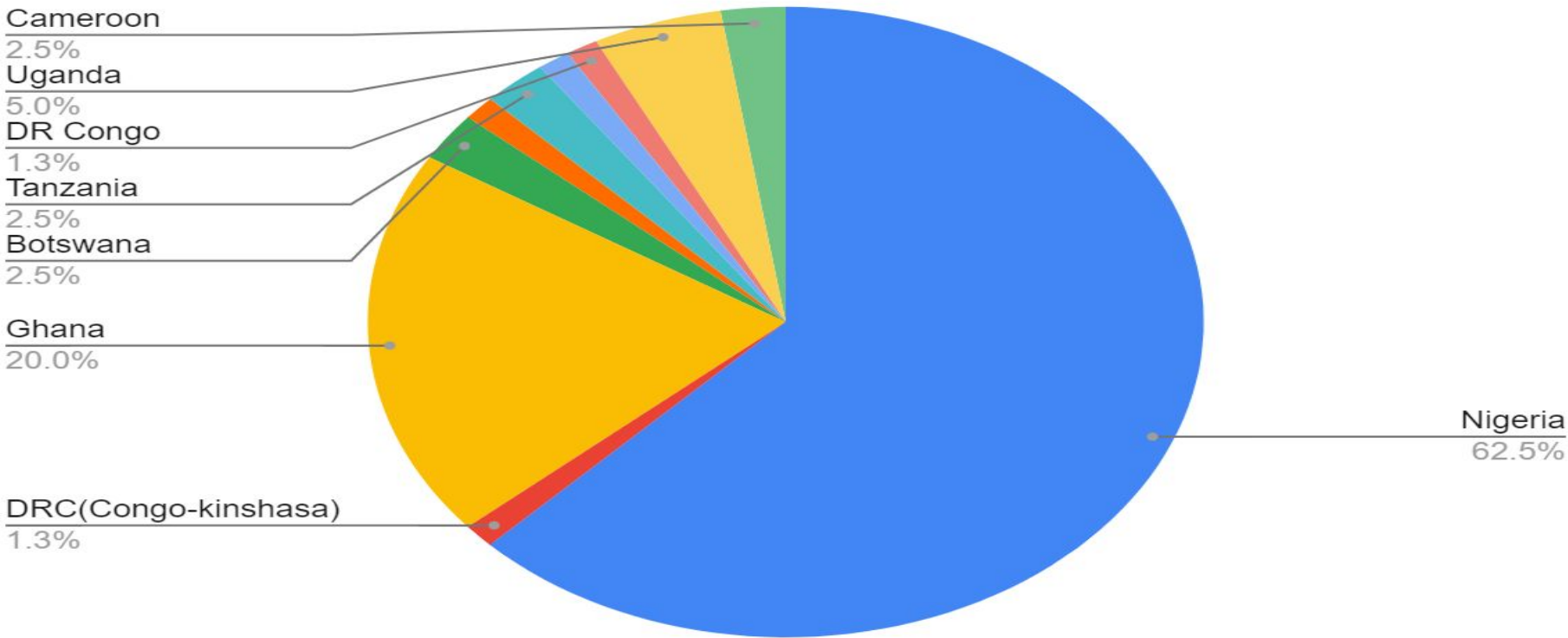
# Building Wikifunctions with WikiLambda's Power

Wikifunctions is a collaborative platform within the Wikimedia ecosystem that redefines information curatedness and empowers users to create and share dynamic functions. It is driven by the power of WikiLambda, a powerful programming environment that transcends traditional boundaries. WikiLambda offers a function catalogue, collaborative editing, multilingual capabilities, embedding functions, and an educational impact. The catalogue serves as a repository for users to discover, contribute, and enhance diverse algorithms. It also supports content creation and consumption in multiple languages, ensuring knowledge is accessible to a global audience. WikiLambda enables users to embed functions directly into Wikimedia projects, enhancing the interactive nature of content. Its user-friendly interface facilitates learning and understanding of programming concepts. Wikifunctions is a transformative force shaping the future of collaborative programming and knowledge-sharing.

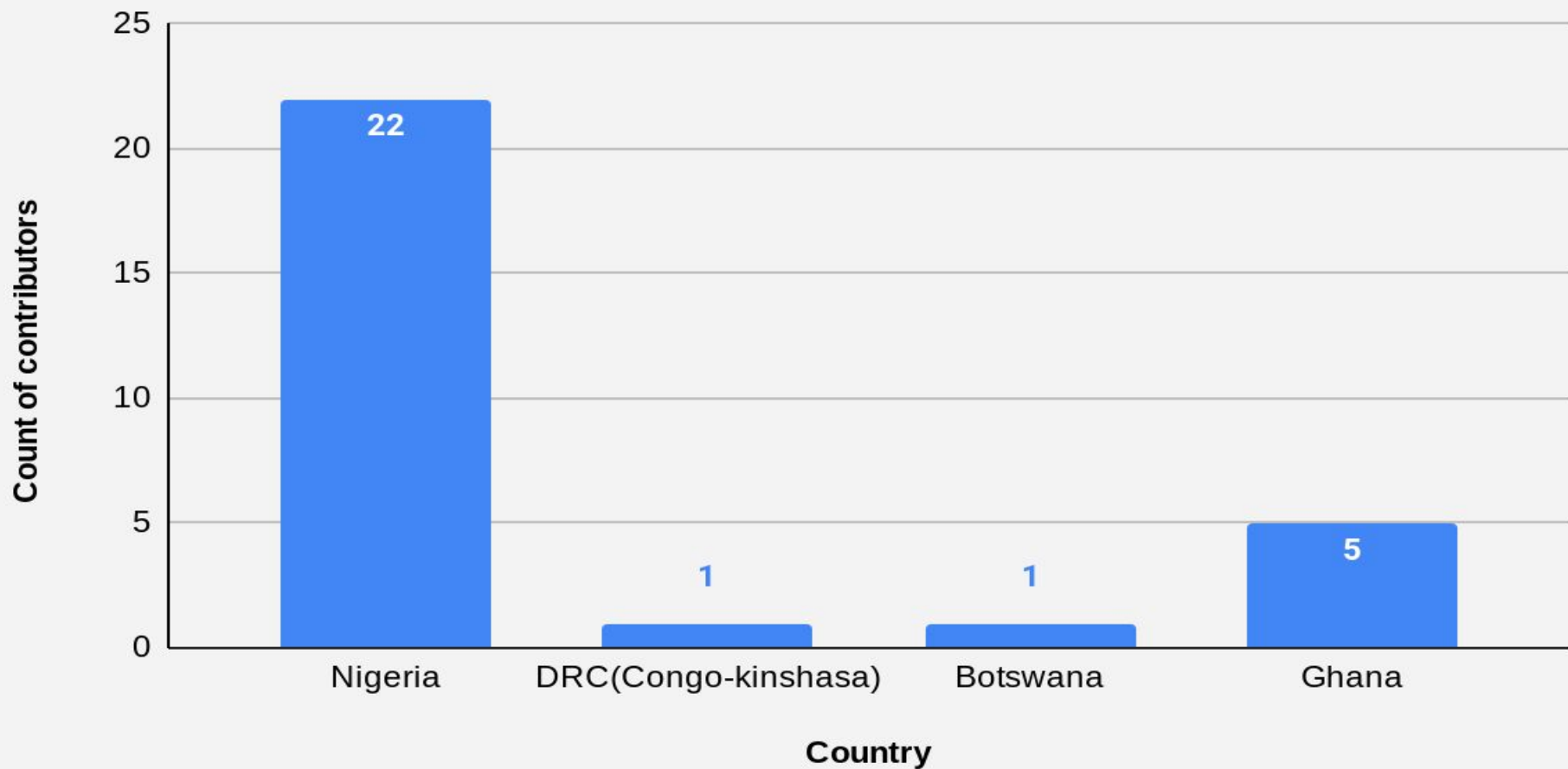


# About 100 participants joined us to embrace the Wikimedia Tech Safari Program

Count of Country



# Contributions by Country





# Some contributions the participants made at the Wikimedia Tech Safari Program

- Blog post by (User: Kalakpagh)

<https://kalakpagh.blogspot.com/2024/02/title-navigating-wikimedia-tech-safari.html?m=1>

- Blog Post By (User: Ogalihillary)

[https://www.linkedin.com/posts/ogali-hilary-784588254\\_wikimedia-tech-safari-program-wikimedia-activity-7164225702236561409-iOFn?utm\\_source=share&utm\\_medium=member\\_android](https://www.linkedin.com/posts/ogali-hilary-784588254_wikimedia-tech-safari-program-wikimedia-activity-7164225702236561409-iOFn?utm_source=share&utm_medium=member_android)

- Blog post by (User: Akwugo)

<https://medium.com/@peacetilo92/african-wikimedians-tech-community-my-tech-safari-experience-7d44c5575522>

- Blog post by (User:Umabruka)

[https://www.linkedin.com/posts/rabiat-saliyu-51652017a\\_kiwix-techcommunity-techadventure-activity-7164304198015164416-GeA2?utm\\_source=share&utm\\_medium=member\\_android](https://www.linkedin.com/posts/rabiat-saliyu-51652017a_kiwix-techcommunity-techadventure-activity-7164304198015164416-GeA2?utm_source=share&utm_medium=member_android)



## Challenges We Encountered During the Wikimedia Tech Safari Program

- Due to the difference in time zone, most of the speakers had to join at inconvenient times.
- Due to transfer restrictions in Africa, we encountered problems with sending data stipends to the participants who joined and those who made contributions during the training season.



# Some Participants shared their Feedback on The Wikimedia Tech Safari program

- [https://drive.google.com/file/d/1d7CaCs\\_sKFopzl2wiS2hGm8fQEBKhFAM/view?usp=drive\\_link](https://drive.google.com/file/d/1d7CaCs_sKFopzl2wiS2hGm8fQEBKhFAM/view?usp=drive_link)
- [https://drive.google.com/file/d/1GPYLpA6gQfhkFy6fVYPYUmx4xMuVt1YE/view?usp=drive\\_link](https://drive.google.com/file/d/1GPYLpA6gQfhkFy6fVYPYUmx4xMuVt1YE/view?usp=drive_link)
- [https://drive.google.com/file/d/1uAmFDOExfgUvLyGfSUXtV85loGcEG8yS/view?usp=drive\\_link](https://drive.google.com/file/d/1uAmFDOExfgUvLyGfSUXtV85loGcEG8yS/view?usp=drive_link)
- [https://drive.google.com/file/d/1JaAVS54kyjY6i70FBVsba6AhA8hFyxMc/view?usp=drive\\_link](https://drive.google.com/file/d/1JaAVS54kyjY6i70FBVsba6AhA8hFyxMc/view?usp=drive_link)
- [https://drive.google.com/file/d/11-c0uMnlw9YsR14\\_oBoyJ70RUW30d7lv/view?usp=drive\\_link](https://drive.google.com/file/d/11-c0uMnlw9YsR14_oBoyJ70RUW30d7lv/view?usp=drive_link)



# Summary

The Wikimedia Tech Safari is an immersion program organized to provide practical experience and guidance for participants in the Wikimedia technical community. It was aimed to promote creativity and teamwork through various technical projects, allowing participants to contribute significantly to the Wikimedia digital world. The program emphasized experiential learning, allowing participants to improve their technical proficiency and understand Wikimedia platforms. By participating, individuals contribute to strengthening Wikimedia's technological capabilities and ensuring free knowledge accessibility.

