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Professional Information
Since being introduced to Open Source in 2019, I have always understood there is a space for technical writers to contribute to documentation, tutorials, onboarding guides, etc. This space has always been important for me to contribute to, having struggled in the early years of my tech journey with information overload and finding materials tailored to my experience level.

I have been writing technical articles and API documentation for over two years. In these years, I have aided developers' success in using APIs like Cloudinary and Appwrite by creating technical content in the form of articles for these organizations. I have also written technical articles for organizations like Hackernoon, Devwares, and Hackmamba and was the lead technical writer for the Devwares Documentation. You can see some of my work here.

Contributing to open-source documentation has always been an exciting concept for me. I have actively contributed to open-source documentation like Ansible and Moja Global. With the announcement of GSOD 2022, I decided to take my love for Open Source contribution a step further so I can contribute to projects that impact people across the world, interact and integrate with the community behind these solutions.

Check out my resume to understand my professional experience with technical writing and contributing to open-source documentation.

Project Title: Building FLINT handbook and preparing credible docs on climate science.

The moja global documentation is the first contact for new users and contributors to any moja global projects; even users that have long adopted FLINT to create solutions often re-visit the documentation for clarity and direction. Therefore the importance of reliable, rich, and well-structured documentation across all moja global's projects can not be overemphasized.

Project Outline

As the Moja global project proposal suggests, a knowledge gap exists in the current FLINT documentation. This knowledge gap is a problem I have experienced firsthand. Working extensively with the FLINT-UI to create user stories for the Point Model and RothC, I continually had to ask the mentors for clarity and what the components mean or do. This issue was not peculiar to me, as I found during some research that some first-time users had problems setting up the different FLINT components on their computers. Although I undeniably have to commend the mentors and volunteers for their response time, this understandably can cause roadblocks or discourage future users and contributors from the project.

Deliverables

To help combat the non-beginner-friendly documentation, my deliverables for this project are:
- Identify knowledge gaps and non-beginner-friendly FLINT documentation and improve them.
- Create case studies to document the role FLINT plays in our environment.
- Create user group-focused FLINT analysis handbook, guides, and tutorials.
- Improve documentation standards by creating a default starting template.

Having stated the above deliverables, here is a detailed explanation of how I intend to approach and deliver them;

Identify knowledge gaps and non-beginner-friendly FLINT documentation and improve them

Like any product ever created, a documentation's target audience is its consumers. Understanding that the documentation we are working on targets new users, we must consider their lack of previous knowledge of the product while tailoring the documentation.

During my time with the Moja Global documentation, I intend to work with the groups assigned to me and develop extensive documentation that identifies these knowledge gaps and improves on them with the following steps:
- Have discussions with existing users of the FLINT documentation.
- Understand the challenges they faced and concepts they found challenging to understand.
- Suggest, discuss, and make changes based on feedback.
- Index essential FLINT concepts and terminologies.

Create case studies to document the role FLINT plays in our environment.

While I was working to create the user stories for the Moja global Point Model, Shubham helped me understand how the pools' signified a carbon pool in real

life. He explained how we use the Point simulation to simulate the flow of carbon. Understanding this allowed me to use the FLINT-UI Point model and properly create user stories. This conversation informs me of how important it is that new users understand these carbon models and the issues FLINT looks to solve.

Working with Moja global, I intend to publish beginner-friendly case studies with the following steps:
- Discuss with the subject experts to better understand climate change mitigation, carbon models, and the information we want to relay to the users.
- Document findings from the discussion and research.
- Issue out the documentation to user-focused groups in the community.
- Suggest, discuss and make changes based on feedback.

Create user group-focused FLINT analysis handbook, guides, and tutorials.
Based on my experience with creating tutorials for APIs like Cloudinary and Appwrite, I have realized that a large group of people tend to work well with the APIs due to these tutorials or guides. I will create guides and tutorials breaking down concepts our user groups usually struggle with understanding. These tutorials are typically comprehensive and concise pieces of information, starting with prerequisites and ending with an accomplished goal in mind.

Next, I intend to create a FLINT analysis handbook. This handbook will contain the tutorials and guides previously mentioned to help users build their implementation to run their analysis.

Improve documentation standards by creating a default starting template
Uniformity across documentation plays a big part in discouraging miscommunication and misunderstanding.

I intend to assert uniformity in moja global's documentation by creating a default starter documentation template. Future contributors can edit the template that already follows moja global's guidelines to suit the documentation content with a default template. I believe this template will come in handy in creating documentation quickly and ensuring that they follow moja global's style guides.

Summary (TL;DR)
This proposal aims to achieve the following;
- Identify knowledge gaps, non-readable, and non-beginner-friendly documentation and help improve them.
- Document case studies that enlighten users about the solutions FLINT is looking to solve.

- Increase adoption of FLINT to solve solutions by creating user-focused tutorials.
- Create default starter templates to improve future documentation standards.

These four deliverables are focused on two major things;
1. Building technical documentation, case studies, and testing existing documentation.
2. Building FLINT handbook and preparing credible documentation on climate science.

Timeline
During the 12 weeks working on the moja global documentation, I intend to accomplish my deliverables following the timeline below:

Week 1 (May 16 – 22)
- Analyze the project in detail with my mentors.
- Discuss:
  - How often the tasks should be reviewed.
  - Share schedules and decide on a weekly/daily workflow.
  - Tools and resources that can be used.
  - Bi-weekly and daily project reports.

Week 2 – 4 (May 23 – June 5)
- Conduct surveys for the moja global documentation
- Investigate causes of inconsistencies in existing documentation
- Interact with documenters and engineers and identify non-beginner-friendly documentation.
- Suggest, discuss, and make changes to the FLINT documentation based on feedback.

Week 4 – 5 (June 6 – 19)
- Discuss with subject matter experts carbon models and the problems FLINT looks to solve.
- Create case studies detailing the carbon models and moja global projects.

Week 6 – 7 (June 20 – July 10)
- Interact with users in the community and identify knowledge gaps and non-beginner-friendly information in the case studies.
- Suggest, discuss, and make changes to the case studies.

Week 8 – 9 (July 11 – July 24)
- Define expectations for the handbook and its contents.
- Create beginner-friendly tutorials and examples for the handbook.

- Collate the tutorials and training examples into the handbook.

Week 10 (July 25 - July 31)
- Review, suggest, and make changes to the handbook.

Week 11 (August 1 - August 7)
- Work on pending/outstanding tasks.
- Reviewing all documentation and processes that we improved.

Week 12 (August 8 - August 14)
- Writing a final report.
- Submitting the final report for review and evaluation.
- Project finalization and submissions.

Moja Global's Past Open Source Contribution

As we can see below, I made some contributions to familiarize myself with moja global's documentation.
- [Point Model User stories](#)
- [RothC User stories](#)

In addition to the user stories, I also created some article pieces to break down FLINT concepts.
- [FLINT Terminlogies 101](#)
- [Understanding Moja Global's FLINT, and Its Components](#)
- [What are Growth Curves](#)
- [Understanding State and Transition Models](#)

Volunteers and Mentors
- Dr. Andrew O'Reilly-Nugent
- Harsh Mishra
- Shloka Gupta