






# ASAPH IRABARUTA

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## SUMMARY

I am a software engineer who is interested in problem-solving. I have worked on multiple web development projects using JavaScript, Python, SQL, and other technologies. Apart from this, I enjoy giving back to the community by volunteering in teaching programming courses. For more about me, you can visit my [personal website](#).



## EDUCATION

**Master of Science in Information Technology | Carnegie Mellon University**

August 2022 – May 2024

**Bachelor of Science in Computer Science | University of Rwanda**

September 2017 – January 2022



## EXPERIENCE

**PWSA Hackathon | Programming Workshop for Scientists in Africa (PWSA)**

August 2019 – September 2019

In this hackathon organized by Glasgow University, me and my 2 colleagues, were prized for the 1<sup>st</sup> position whereby we created a new programming language compiler using python.

**Backend Developer | Imali.biz**

April 2020 – August 2021

I was a backend developer of this e-commerce system whereby:

- I revamped the relational database by indexing using SQL. And because of this, new database was able to retrieve data faster.
- I built REST APIs using node.js. And tested them using Postman.

**Full Stack Developer | Student's Documents Management System**

August 2021 – January 2022

In my undergraduate, I developed a system to manage Students' documents. This replaced a paper-based system that was inefficient and prone to damage.

- I developed the frontend part of the system with React.js and material UI.
- I developed REST APIs using node.js.
- I designed a relational database using SQL.



## SKILLS

- Programming Skills (Java, Python, C/C++, JavaScript, React, Node, SQL, MongoDB)
- Data Science and ML (Pandas, Numpy, Matplotlib, Scikit learn)



## ACTIVITIES

I enjoy spending time reading books and blogs about the latest programming technologies. In my free time, I build personal projects and solve programming challenges.