

# JOAN MUTHONI

## Software Developer

Technology is making equity possible in the health sector with the use of Artificial Intelligence to ensure that life-threatening diseases such as cancer are detected early and accurately. Having lost a family member due to negligence, I believe that there would have been a different outcome had the local hospital utilized modern technology. I keep myself abreast with technological trends and how they are influencing the healthcare system. I look forward to applying my Software development skills to contribute in creating solutions that will bring change to the health sector.

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## EDUCATION

### AkiraChix

#### Diploma in Information Technology codeHive

02/2022 - Present

##### Courses

- **UX Research;** Visualising qualitative research results. Planning and conducting ethical user research. Designing products with visualized data.
- **UI/UX Design;** Using design thinking approach to design user-centric user interfaces. Understanding elements and principles of Design. Using design tools such as Adobe Illustrator and Figma to create UI designs.
- **Backend Development;** Django framework for server-side application development Databases such as Postgres.
- **Frontend Web;** Using React as a Front-end framework Using DOM manipulation in Javascript.
- **Mobile Development;** Implementing REST APIs using REST framework in Android Studio. Building a firebase database to manage real-time data RecyclerView and Constraint Layout to display data.
- **Internet of Things(IoT)** Using different micro-controllers and sensors to build and control IoT devices. Digital designing using Fusion 360. Using the design thinking process for a product prototype.

## WORK EXPERIENCE

### Intern

#### Tourism Fund

07/2017 - 08/2017

##### Achievements/Tasks

- Managed to resolve errors installed relevant software, and monitored and proactively maintained computer systems and networks.
- Maintained, coordinated, and updated documentation and hardware/software registers.
- Troubleshooting systems and network problems, diagnosing and solving hardware or software faults, and replacing hardware as required.

## TECHNICAL SKILLS

Knowledge in UX Research principles to understand user needs and using such insights to develop product designs.

Ability to conduct both desktop research and field research using design thinking processes.

Able to do planning and designing products with analysed data.

Able to design wireframes and prototypes using Figma design tool.

Intermediate skill in designing logos, packaging designs, and posters using Adobe Illustrator.

Basic knowledge of running hardware system programs in C++ and building 3D models using Tinkercad and Fusion 360.

Basic understanding of Object-Oriented Programming in Python.

Basic knowledge in relational Database e.g. PostgreSQL.

Ability to use RecyclerViews and CardViews to display scrollable lists in Kotlin.

## PERSONAL PROJECTS

### Women rights and Safety

- I have worked on a project to assist women in vulnerable communities reach out for help in order to prevent gender-based violence. [https://drive.google.com/drive/folders/1CE3Lk4NzkIIINndgqzyiPJ-ZJUPX3I17n?usp=share\\_link](https://drive.google.com/drive/folders/1CE3Lk4NzkIIINndgqzyiPJ-ZJUPX3I17n?usp=share_link)

### Tour and Travel

- I am working on a project on tour and travel using Python that will allow more tourism activities as well as protect and balance ecotourism. <https://github.com/Muthoni-J/Tour-system.git>

### Twitter clone

- Using Kotlin I have created a Twitter application to allow users to create and share ideas and information instantly, without barriers. <https://github.com/Muthoni-J/Twitter.git>

## REFERENCES

Marie Githinji Executive Director and co-founder at AkiraChix [mgithinji@akirachix.com](mailto:mgithinji@akirachix.com)

John Owuor Senior Software Engineer, Twiga [Owour91@gmail.com](mailto:Owour91@gmail.com)