



# HAWA MAJID

Software Developer

## CONTACT



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[Github](#)



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[Portfolio](#)

## EDUCATION

**Technical University of Mombasa 2019 - 2023**

Diploma in Civil Engineering

**AkiraChix codeHive February - November 2024**

Diploma in Information Technology

## RELEVANT COURSES

### Backend Development

- Database design and modeling
- Customizing Django Admin Interface
- Django REST framework
- Non-relational databases - Postgresql

### Frontend Development

- Control flow using logical operators
- DOM Manipulation
- Use of APIs to fetch
- React.Js and Next Js

### Data and Software Architecture

- SQL Essentials and Joins
- UML and Architecture Models
- Data Analysis Procedures and Methods
- Algorithms, Control Structures and Flowcharts

## REFERENCES

### Linda Kamau

Founder and Executive Director - AkiraChix  
lkamau@akirachix.com

### James Mwai

Co-Founder and CTO - Skygarden  
smartemwa@gmail.com

## PERSONAL STATEMENT

The ongoing crisis impacting ocean ecosystems, characterized by widespread pollution and habitat destruction, has become a pressing global issue. Recognizing the urgency of these challenges, Hawa is eager to leverage her technological expertise to spearhead innovative solutions to address these critical problems. She aims to revolutionize waste management and conservation practices by developing advanced technologies to combat marine pollution effectively. Her vision is to contribute to a sustainable future by utilizing technology to drive positive change in environmental stewardship, ensuring a cohesive and impactful approach to safeguarding our oceans.

## SKILLS

- Proficient in SQL databases such as PostgreSQL and NoSQL databases, with a solid understanding of database schemas, efficient query construction, and optimization techniques.
- Understanding of Django's Object-Relational Mapping (ORM) for database operations, schema design, and query optimization.
- Capable of developing web applications using Django, including setting up virtual environments and managing dependencies with pip.
- Comprehensive knowledge of the layout and structure of webpages, including HTML for accessibility, CSS for responsive design.
- Proficient in manipulating the Document Object Model (DOM) using JavaScript to dynamically update content, handle events, and enhance user interaction on web pages.
- Knowledge of unit testing, writing and running end-to-end tests, and using testing tools in Python.
- Ability to use fetch and Axios for integrating APIs, allowing for efficient communication between the front-end and back-end of web applications.
- Knowledge in creating user interfaces using Javascript libraries such as VueJs, ReactJS and NextJs.
- Ability to fetch and manage data within web applications using JavaScript libraries (Axios, JQuery) and frameworks.
- Ability to develop backend systems using Typescript focusing on modular architecture and API design
- Skilled in implementing, customizing, and optimizing Odoo ERP systems, including modules for sales, inventory, accounting, eCommerce, and frontend development, with a focus on improving user experience and system performance.

## PROJECTS

### Investika

Investika is a gamified investment platform designed for youth to learn and engage in personal finance through interactive simulations and quizzes. It offers users a dynamic way to develop investment strategies, manage virtual money, and explore financial markets in a fun and educational environment. way, helping them build strong financial habits for the future.

<https://drive.google.com>

### Fun trivia

A JavaScript-based quiz game featuring dynamic question management, scoring system, and user interaction, enhancing web development skills and demonstrating creativity in applying JavaScript concepts.

[https://github.com/majidhawa/fun\\_trivia.git](https://github.com/majidhawa/fun_trivia.git)

### School Project

A Django backend web application school project that allows students to register, and view courses using the generated timetable and know the course instructor. It also has a database configuration for storing student, teacher, and course data.

<https://github.com/majidhawa/python-django-apis>