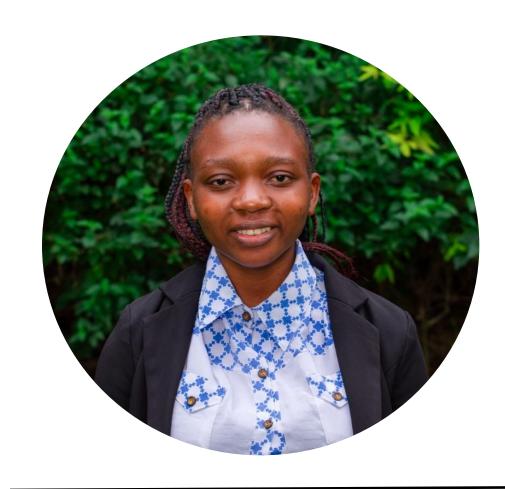# BRENDA KHAMALI KIMURA

Software Developer

Personal Statement

The Internet of Things (IoT) is set to reshape industries and enhance everyday life as interconnected devices and smart technologies become the norm. Brenda is particularly intrigued by the future integration of Artificial Intelligence (AI) with IoT, believing that AI will greatly enhance IoT capabilities by turning data into actionable insights. As a software engineer, her goal is to advance this integration, addressing challenges such as data security and interoperability and contributing to a smarter, more connected future through innovative AI-driven IoT solutions.

Contact

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in LinkedIn

○ Github

Education

AkiraChix
codeHive - Diploma in Information Technology

January 2024– Present

Relevant Courses

Back end Development
- Server-side web development using Django framework.
- Handling HTTP requests

Frontend Development
- React & Next.JS as frontend frameworks
- Handling REST APIs

Mobile Development
- Making network calls with Retrofit
- Object-Oriented Programming concepts in Kotlin

UI/UX Design
- Wireframing and prototyping
- Adobe Illustrator, Adobe Photoshop, and Figjam graphic design software

UX Research
- Human-Centered Design Principles
- Analysis and synthesis of research findings

Data and Software Architecture
- Databases and SQL
- Problem-solving techniques using algorithms and data structures

Product Management
- Product Lifecycle Management
- Testing and validating MVPs and prototypes.

Skills

- Experience in Git as a version control system.
- Skilled in JavaScript DOM manipulation for dynamic UI updates and interactivity.
- Experienced with React.js and Next.js to develop high-performance applications.
- Skilled in consuming RESTful API s and integrating them into web applications.
- Understanding of Django ORM for designing and implementing data models.
- Able to manage the PostgreSQL database for data integrity and performance optimization.
- Familiar with structuring algorithms for efficient problem-solving.
- Ability to develop responsive user interfaces that adapt to different screen sizes and orientations
- Ability to create and analyze electronic circuits using design and simulation tools like TinkerCad.
- Knowledgeable in Android concepts, for developing well-structured and interactive applications.
- Knowledgeable in using Jira for effective backlog management and workflow streamlining.
- Skilled in user research to identify user needs and guide user-centered solutions.
- Ability to design products, from logo design to mockups and mobile designs.
- Experience with Scrum, sprint planning, and conducting retrospectives.

Projects

Suubi
An end-to-end project using React.js, Python, and Kotlin to foster transparency and trust between farmers and SACCOs, enhancing SACCO management and farmer trust.

The Suubi Project

Quiz App Game
A web application built with HTML, CSS, and JavaScript that allows users to play a quiz game. Users can get their scores and compete one-on-one to determine the highest-scoring player.

https://github.com/kimura-khamali/AkiliQuiz

Treffle Plant API
A web application built with HTML, CSS, and JavaScript, integrating the Trefle API, allows users to search for and discover different plants with detailed information about each plant.

https://github.com/kimura-khamali/akili-plants

References

Linda Kamau
Founder & Executive Director,
AkiraChix
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Lilliane Gukindiro
Usability Specialist & Technical writer,
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