



PERSONAL STATEMENT

I am passionate about using technology to uplift communities. As a software developer, my primary objective is to create accessible educational solutions that transcend barriers, reaching even the most remote and underserved areas. By focusing on low-bandwidth applications and offline learning platforms, I aim to provide valuable educational resources that do not rely on stable internet connectivity.

EDUCATION

AkiraChix

Diploma in Information Technology
February 2023- November 2023

Related Courses

Front-end Web Development

- HTML/CSS for responsive and user-friendly interfaces.
- JavaScript frameworks for interactivity and dynamic content.
- React state management, props, and React Router for client-side routing.
- Integrating third-party APIs.

Backend Web Development

- Object Oriented Programming.
- Efficient data management with data structures.
- URL and API routing for request handling.
- Django as a Python framework.

Mobile Development

- Constraint layouts and widgets manipulation.
- Retrofit for network calls.
- Working with collections like ArrayAdapter.
- XML and Kotlin for activity management.

UI/UX Design

- Figma, Illustrator, and Photoshop for designs.
- User interfaces and wireframes.
- Low and high-fidelity prototypes for validation.

UX Research

- Qualitative and quantitative user research planning.
- Data analysis for valuable insights.
- Design Thinking for user-centric solutions.

Product Management

- Product roadmaps for strategic direction.
- User stories and acceptance criteria definition.
- Jira for efficient project management.

SKILLS

- Capable of developing responsive and user-friendly web applications using HTML, CSS, SCSS, JavaScript, TypeScript, and Tailwind CSS, focusing on creating intuitive user interfaces.
- Familiarity with Python frameworks like Django, enabling the building of web applications with structured backend architecture.
- Able to configure CI/CD pipelines, ensuring seamless code integration and deployment.
- I am acquainted with Object-Oriented programming principles in Python, providing a foundation for organized code development.
- Knowledgeable about frontend frameworks like Angular, React, and Next.js, contributing to the creation of dynamic web applications and able to do unit testing using Jest.
- Capable of developing Restful APIs, hosting them on platforms like Heroku, and integrating external APIs, including M-Pesa Daraja, to facilitate data interaction and payment processing.
- Capable of documenting APIs using Swagger and Postman collection for clear project documentation.
- I am skilled in using version control systems like Git to collaborate effectively with other developers.
- Exposure to creating prototypes using Adobe Suite tools, assisting in visualizing design concepts.
- Familiarity with project management tools like Jira, supporting efficient tracking and collaboration in development projects.

PROJECTS

E-waste Management Research

Developing an application for E-Waste Management.

Conducted secondary research on Electronic waste, its effect, and management.

<https://drive.google.com/drive/folders/1SxDLlS6REtcn5QU9btv9uTPhVPs3gov>

<https://www.figma.com/file/uLHll3vq5ZAsjVLqh8jHLm?type=design>

<https://github.com/akirachix/LogicSpire-Informational.git>

<https://github.com/nyeliep/E-Taka-Frontend>

<https://github.com/nyeliep/E-Taka-Backend>

Weather App

Created an application in Angular. This project showcased my proficiency in utilizing Application Programming Interfaces (APIs) to access and display weather data

<https://github.com/nyeliep/weather-app-angular.git>

Moovie app

Created a movie app using Typescript. This project has helped me hone my skills in apis.

<https://github.com/nyeliep/moovie>

REFERENCES

Linda Kamau.

Founder & Executive Director-AkiraChix

lkamau@akirachix.com

Hunter Achieng

Software Engineer at Kotani Pay

achienghunter@gmail.com

Gattuocho Kuon

Software Engineer at Humana

gattuocho.kuon@mail.mcgill.ca