

Karen Maria Philip

Software Developer

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Personal Statement

Karen is dedicated to transforming food systems to safeguard the environment and ensure universal access to nutritious food. She advocates for nature-positive production, sustainable diets, and reducing food waste.

Witnessing current unsustainable practices, Karen aims to address hunger, environmental challenges, and climate crises through innovative food system strategies. Her goal is to promote sustainable practices that ensure everyone has access to nutritious food, alleviate environmental pressures, and foster resilience in global food production systems. Promoting sustainable practices and reducing food waste, Karen envisions a future with universal access to nutritious food, alleviated environmental pressures, and resilient global food production systems.

Skills

- Proficient in HTML, CSS for website development, and React - JavaScript to create functional web applications.
- Advanced proficiency in PostgreSQL database administration, specialising in designing and optimising complex data models to meet specific business requirements.
- Proficient in data and algorithms that empowers precise analysis, insightful ideas and decision-making processes.
- Proficient in developing user personas, user flows, and customer journey maps with a clear understanding of their creation.
- Skilled in creating design systems and style guides that encircle design patterns, colour typography, and iconography.
- Proficient in design software such as Figma and Adobe Illustrator for creating wireframes, mockups , and high-fidelity prototypes.

- Proficient in PostgreSQL for database management, with a focus on creating detailed data models.
- Skilled in identifying user needs through both desk and field research methodologies.
- Experienced in PostgreSQL database management, specialising in creating comprehensive data models.
- Proficient in identifying user needs using a combination of desk research and field research methodologies.
- Proficient in employing data analysis techniques, including statistical methods and machine learning algorithms, to extract actionable insights from complex datasets.
- Great understanding in creating and maintaining documentation for APIs, databases, and project architectures to facilitate seamless collaboration and future development.

Education

AkiraChix

CodeHive - Diploma in Information Technology

February 2024 - Present

Relevant Courses

Frontend Development

a. Introduction to HTML/CSS and JavaScript

- Basic structure and styling of web pages
- Responsive design principles
- Introduction to JavaScript for dynamic content

b. Advanced JavaScript and Frameworks

- Working with frameworks like React

UI/UX Design

a. User Interface Design

- Principles of UI/UX design
- Creating wireframes and mockups
- Using tools like Figma or Adobe XD

Mobile Development

a. Introduction to Mobile Development

- Basics of mobile app development for Android and iOS
- Overview of mobile app architectures

b. Working with Android Studio

- Setting up and configuring Android Studio
- Building and deploying Android apps

Backend Development

a. Web Development with Django

- Building web applications with Django
- Working with Django ORM and templating

Product Management

a. Introduction to Product Management

- Role and responsibilities of a product manager
- Product lifecycle and roadmap development

b. Scrum Ceremonies and Product Development Cycle

- Understanding Agile methodologies
- Running Scrum ceremonies (sprint planning, daily stand-ups, retrospectives)

c. Prioritization Techniques

- Methods for prioritising features (MoSCoW)
- Balancing business needs with technical feasibility

UX Research

a. Design Thinking

- Stages of design thinking (empathise, define, ideate, prototype, test)
- Applying design thinking to real-world problems

b. Research Methodologies

- Qualitative and quantitative research methods
- Conducting user interviews and surveys

c. Usability Testing

- Planning and conducting usability tests
- Analysing and reporting usability findings

Data and Software Architecture

a. Data Analysis using PostgreSQL

- Writing complex SQL queries
- Performing data analysis and reporting with PostgreSQL

b. Software Architecture Principles

- Designing scalable and maintainable systems

Projects

Digitising Dairy Value Chains for rural farmers in Rwanda

I carried out desk research about dairy farming for the rural farmers in Rwanda. I was investigating why most rural farmers in Rwanda do not use mobile money services which limits them from improving their credit worthiness. I later carried out primary research to see if my speculation was correct. After my research I started working on an informational website that is going to enable the farmers to know more about our app and enable them carry out their services without being independent to the cooperatives they are registered with.

Here is the link to the solution that I came up with, [GitHub Link to my Project](#)

Here is google drive [Link](#) to all my documents about my project.

References

Linda Kamau

Founder and Executive Director

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