

Achan Kur

Software Developer

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Personal statement

Access to veterinary expertise can be scarce in remote areas, essential for supporting the health and sustainability of cattle farming. Recognizing this challenge, Kur is dedicated to leveraging technology as a transformative tool to address these issues. By harnessing innovative solutions, particularly in regions like Northern Eastern Kenya, she aims to significantly improve access to veterinary care, enhance disease management practices, and empower pastoralist communities to sustainably manage their livestock.

Skills

- Knowledge of object-oriented programming concepts like classes and inheritance in Android Development using Kotlin
- Ability to use RecyclerView and CardViews to display scrollable lists in Kotlin
- Ability to collect user input, validate forms, and submit data to web services using Retrofit.
- Proficient in using Android Studio's SQLiteDatabase Inspector to debug SQLite databases, inspect schemas, view data, and execute SQL queries for interactive debugging and troubleshooting.
- Ability to implement DOM manipulations to modify the structure and content of web pages.
- Ability to build server-side applications using the Django framework
- Ability to write efficient SQL queries, including complex joins, aggregations, and subqueries
- Familiarity with database design and modeling using PostgreSQL, ensuring data integrity, normalization, and efficient schema design

- Understanding of agile tools such as JIRA, Trello, and Agile boards to manage product ceremonies and track progress
- Familiarity with conducting and participating in essential agile ceremonies such as sprint planning and sprint retrospectives to maintain alignment and continuous alignment
- Proficient in identifying and analyzing user personas, their specific needs, goals, and pain points to inform product development and enhance user experience.
- Ability to develop comprehensive product roadmaps that align with strategic objectives, incorporating key milestones, features, and timelines to guide product development and iteration
- Proficient in applying design thinking methodologies to empathize with users, define problems, ideate solutions, prototype designs, and test iterations, ensuring intuitive and user-centric product experiences

Education

AkiraChix

CodeHive - Diploma in information technology

February 2024 - present

Relevant course

Frontend Web Development

- HTML/CSS Unit Structure and JavaScript
- React.JS
- Next .Js and Tailwind
- API testing with Postman

Python

- Organizing Python code with functions, classes, modules, and packages
- Manipulating Python Data Structures(List, Dictionary, Set and Tuple)
- Object-oriented programming (OOP) concepts in Python
- REST API development with Django Rest Framework

Data and software Architecture

- Problem-Solving Techniques
- Algorithmic Problem Solving
- Architecture Models
- Data science and Machine Learning

Frontend Mobile Development

- Collections and Data Structures(Lists and Arrays)
- Using ArrayAdapter, RecyclerViews and RecyclerViewAdapter
- Handling HTTP/ REST requests & responses
- CRUD SQL queries

Product Management

- Product Lifecycle
- Customer Personas & User Stories
- Product ceremonies
- Prioritization Frameworks & Techniques

UI/UX Design

- Elements and Principles of Designs
- Logo design for brand identity
- UI Designs for both mobile and web platforms
- Style Guide Creation

Projects

EconTrust

EconTrust is a mobile app enabling rural farmers in Village Savings Local Associations to save digitally.

[GitHub Link](#)

Baby Shop

An E-commerce website created using HTML, CSS, and JavaScript that allows a user to shop for baby clothes and products online anywhere.

[GitHub Link](#)

Currency-Converter

A project built using JavaScript, HTML, and CSS that allows users to convert their money to other currencies by integrating currency rates and flags APIs.

[GitHub Link](#)

References

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