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Education

AkiraChix

codeHive - Diploma in Information Technology

February 2024 – Present

Relevant Courses

Frontend Development

- Implementing DOM Manipulation in JavaScript
- Consuming RESTful APIs using fetch and Axios
- Multi-Device Layout Optimization

Backend Development

- Web Development with Django
- Implementing RESTful APIs with Django Rest Framework

Cloud Infrastructure

- Containerization with Docker

Mobile Development

- Dynamic Layout Manipulation
- Event-Driven Programming Concepts
- Network Integration with Retrofit
- Using Room for Database Management.

Data and Software Architecture

- Data Collection Methodologies
- SQL Essentials & Joins
- System Architecture Models
- Database Design and Modeling

Product Management

- Customer Persona Development
- Product Lifecycle Management
- Data-Driven Decision Making
- Product Market Fit Analysis & Strategies

UI/UX Design

- Visual design principles
- Interactive prototypes for validation
- Proficient in Illustrator, Photoshop, and FigJam
- Color Psychology

UX Research

- User Interviews and Surveys
- Usability Testing and Analysis
- Journey Mapping and Persona Creation
- Qualitative and Quantitative Data Collection

AGNES AUMA

Software Developer

In a world where every second counts, reducing our carbon footprint is not just an environmental imperative but a race against time. As a software engineer, Agnes is enthusiastic about how data analytics and AI can be harnessed to reduce emissions, optimize resource use, and promote transparency in carbon tracking. She believes that leveraging these technologies offers a powerful opportunity to drive meaningful environmental change and create a more sustainable future.

Skills

- Experienced with React.js, including component props, hooks, and lifecycle methods
- Experienced in building Progressive Web Applications (PWAs) for offline-first experiences.
- Skilled in integrating RESTful APIs with React applications.
- Skilled in manipulating the DOM with JavaScript for dynamic web pages.
- Proficient in JavaScript (ES6+) for building modern, dynamic web applications.
- Proficient in Figma for designing and prototyping UIs.
- Skilled in using Jira and Scrum for iterative product development.
- Solid grasp of Git and GitHub for version control.
- Proficient in Django for secure web app setup, routing, and customization.
- Expertise in data modeling and architecture for scalable applications.
- Skilled in software architecture patterns like MVC and microservices.
- Experienced in applying machine learning algorithms for complex dataset analysis.
- Capable of using Coroutines in Android for managing asynchronous tasks.
- Proficient in Retrofit for REST API integration and managing request cycles..
- Experienced in configuring and deploying applications using Docker and Kubernetes.
- Skilled in using WebSockets for real-time communication in web applications.
- Solid knowledge of PostgreSQL for managing complex relational databases.
- Skilled in implementing authentication and authorization with OAuth 2.0 and JWT.
- Skilled in CI/CD tools like Jenkins and GitHub Actions for automated workflows.

Projects

SawaTok

A project aimed at empowering Kenyan children aged 4-6 with stuttering speech disorders, fostering their communication skills through structured practice and support.

https://drive.google.com/drive/folders/1YAzDQCN-n_jCeh0IMs7uEq74WcZeFS2T?usp=sharing

EduKeri

This project aims to tackle digital illiteracy among teachers in rural Kenyan schools by creating an application that enhances their access to educational resources and improves their teaching capabilities through technology.

https://drive.google.com/drive/folders/1Lcnlmibqv_-HHkHbjP8BzVZR_8u4ozdZ?usp=sharing

Weather Forecast

A weather forecasting application built using React.js leveraging Weather API crafted to provide users with real-time weather updates by inputting a city name.

<https://github.com/Agnes-Kamondi/Weather-Forecast.git>

References

Linda Kamau

Founder and Executive Director at AkiraChix

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John Owuor

Senior Developer at Twiga Foods

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