

WALTER KUDZAI KAMANGA

Software Engineer

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SUMMARY

Full Stack Mobile Developer with 2+ years of experience building scalable cross-platform applications using Flutter and backend systems with FastAPI. Proven ability to design and integrate RESTful APIs, manage PostgreSQL databases, and deploy AI-powered features including speech-to-text systems using Whisper models. Experienced in delivering production-ready mobile applications with strong focus on performance, user experience, and backend reliability. Seeking opportunities in international teams where I can contribute to end-to-end product development.

PROFESSIONAL EXPERIENCE

Software Developer 01/2023 - 11/2024
Freelancer Marondera, Zimbabwe

- Developed custom mobile applications for individuals and small businesses.
- Designed and developed full-stack mobile applications for SMEs using Flutter and FastAPI.
- Implemented secure authentication systems, RESTful APIs, and PostgreSQL storage.
- Built business workflow tools including ordering systems, booking apps, and utility dashboards.
- Collaborated directly with clients to clarify requirements and deliver production-ready features.
- Implemented UI/UX designs, API integrations, authentication, and database storage.
- Built lightweight business tools, ordering systems, and utility apps.
- Collaborated directly with clients, gathered requirements, and delivered complete app solutions.

Junior Software Engineer 12/2024 - Present
Parsales Investments Harare, Zimbabwe

- Improved user interfaces by updating menus to be more intuitive.
- Built and maintained cross-platform Flutter apps for internal and client use.
- Integrated REST APIs, authentication systems, and backend services.
- Solved complex UI/UX issues and improved performance on multiple screens.
- Installed, configured, and maintained office networks, routers, and WiFi systems.
- Provided software/hardware troubleshooting and system maintenance.
- Improved user interfaces by updating menus to be more intuitive.
- Delivered 5+ cross-platform Flutter apps for internal teams and external clients.
- Integrated REST APIs, authentication systems, and backend services using FastAPI.
- Optimized app performance across multiple devices and improved UI responsiveness.
- Installed and configured internal software systems including routers, WiFi networks, and local servers.
- Provided software troubleshooting and routine maintenance for technical infrastructure.

EDUCATION

Bachelor of Technology Computer Science 08/2022 - 08/2026
Harare Institute of Technology Harare, Zimbabwe

KEY ACHIEVEMENTS

ZIMCRED Academic Credential Verification System

Built a scalable backend system using FastAPI aimed at national-level credential verification. Designed RESTful APIs to handle secure data validation and verification workflows. Integrated PostgreSQL for structured data storage and optimized query performance. Focused on reliability, scalability, and secure data handling for institutional use.

Sermon App (Flutter)

Developed a full-stack mobile application using Flutter and FastAPI, enabling users to access and interact with transcribed sermon content. Integrated OpenAI Whisper models for speech-to-text processing, allowing audio sermons to be converted into searchable text. Built REST APIs for handling audio processing, content delivery, and user interactions. Improved application responsiveness using Provider state management and optimized backend performance for handling media workloads.

ERP Mobile App (Flutter)

Built the mobile version of an existing ERP web system using Flutter. Integrated complex RESTful APIs, including financial modules and reporting. Implemented secure authentication, data caching, and responsive dashboards. One of the most challenging projects due to heavy data flow and financial calculations.

Restaurant Management App (Flutter)

Developed a full restaurant system replicating real operational flows. Included menus, orders, tables, staff roles, notifications, and order tracking. Designed clean UI/UX and implemented stable API connections for live updates.

SKILLS

Tools

Python fastApi · Flutter · databases