

MUDIWA NYIKAVARANDA

Full-Stack Software Engineer (Flutter • FastAPI • PostgreSQL)

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Portfolio: <https://jovial-cactus-ea5842.netlify.app/> | GitHub: <https://github.com/Mudinyika>

PROFILE

Full-stack software engineer with experience in mobile apps, dashboards and backend systems. Skilled in Flutter, FastAPI, PostgreSQL and AR navigation.

- Built offline-capable systems and scalable architectures.
 - Passionate about technology that empowers rural communities.
 - Experienced in operational workflow improvements.
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TECHNICAL SKILLS

Mobile: Flutter (offline/online sync, KYC, barcode/QR)

Backend: Python, FastAPI, Flask, API Design

Database: PostgreSQL (indexing, optimization)

Frontend/Admin UI: React, Dashboards, Role-Based Access

Security: JWT, HTTP-only cookies, XSS/CSRF protection

AR & Navigation: Unity 3D, AR overlays, QR-based position reset

Tools: Git, Docker, Google Analytics

PROFESSIONAL EXPERIENCE

Zimora Ecosystem – Founder & Lead Developer

Nov 2024 – Present | Zimbabwe

- Developed mobile (Flutter), admin tools (React/Flask) and backend APIs (FastAPI & PostgreSQL) for a full loyalty, POS and redemption system.
- Implemented offline syncing, secure JWT authentication and real-time financial tracking.
- Designed scalable, indexed database queries with role-based access and performance dashboards.

Augmented Reality Wayfinding App – Zimbabwe Agricultural Society
Aug 2023 – Jan 2024 | Harare, Zimbabwe

- Built Unity-based AR navigation app for exhibition grounds.
- Camera-based directional arrows with QR-enabled position reset.
- Pop-up informational overlays for location-specific content.

EDUCATION & CERTIFICATIONS

- NCC Level 4 Diploma in Computing, 2020
- AWS Cloud Practitioner
- Google Certifications: Analytics, Digital Marketing Fundamentals