

Kenyi Paul

Software Developer — Backend · Fullstack · Mobile

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EDUCATION

Cornerstone Information Technology and Capacity Building Centre *South Sudan*
Computer and Information Sciences and Support Services *APR 2023*

Kigali Independent University (ULK) *Rwanda*
Computer Software Engineering *2023 - Expected 2027*

EXPERIENCE

Front-end Web Engineering *Jan 2025 - Present*
Galtia SynergyTech *Remote - Freelance*

- Digitalized the company's public image by designing and building a corporate portfolio site from the ground up
- Developed a product listing page and services showcase, giving the business a professional web presence to attract clients
- Built with TanStack Start for fast, modern server-rendered performance

Full-stack Web Engineering *Jan 2025 - Present*
BreviTech *Remote - Freelance*

- Engineered a full-stack multi-vendor marketplace enabling vendors to list products and reach customers online
- Built the frontend with TanStack Start and the backend with NestJS, handling vendor management, product listings, and customer-facing storefront
- Designed and implemented the system architecture from scratch as a solo developer

PROJECTS

Multi-Vendor Marketplace with Paypack Integration
NestJS · Prisma · PostgreSQL · Paypack API

- Built a full-featured marketplace platform enabling multiple vendors to list products, manage orders, and receive automated mobile money disbursements via Paypack
- Implemented commission logic that splits payments between vendors and the platform on every transaction, with webhook handling for real-time payment status updates

Crop Disease Detection Mobile App:

Flutter, TFLite, YOLOv8, Dart

- Developed an offline-capable mobile app that allows farmers to identify crop diseases in real time by pointing their camera at an affected plant
- Trained a YOLOv8 model and exported it to TFLite for on-device inference, displaying detected diseases with confidence scores and actionable treatment suggestions

Production-Grade Rust/Axum Auth Starter Kit:

Rust, Axum, SQLx, PostgreSQL, Docker

- Built an open-source backend starter kit shipping with JWT authentication, refresh token rotation, Argon2id password hashing, RBAC, email verification, and rate limiting
- Containerized with a multi-stage Dockerfile and docker-compose setup, enabling a fully working authenticated API to be spun up in under five minutes

TECHNICAL SKILLS

Languages: Javascript, TypeScript, Java, Dart, Rust, SQL (Postgres, Mysql), HTML/CSS

Frameworks: React, Nest js, Tanstack Start, Next js, Astro js, Fastify, Express js, Axum, Flutter

Databases & ORMS: PostgreSQL, MYSQL, Prisma, SQLx

Developer Tools: VS Code, Git, Github, Docker, RustRover, Android Studio, Insomnia