LAWRENCE BII

SENIOR FULL-STACK & MOBILE ENGINEER

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PROFESSIONAL SUMMARY

Senior full-stack and mobile engineer with 6+ years building fintech, logistics and ERP products in Kenya. Currently leading a seven-developer team at LifLif Kenya, a multi-service delivery platform with 10k+ downloads, where I own the ordering API, merchant portal, Flutter driver app and infrastructure. Deep hands-on experience with Flutter, Laravel and React/Next.js, Safaricom M-PESA integrations (STK Push, C2B, B2C, Mini Apps) and KRA eTIMS, with payment flows that have processed over KES 10 million. Comfortable from database tuning to app-store release, and a BSc Civil Engineering graduate (JKUAT) interested in building software for engineers.

AREAS OF EXPERTISE

- Flutter & Dart
- AWS, Google Cloud, Docker, Nginx, Linux
- M-PESA Daraja & Mini Apps
- Laravel / PHP
- CI/CD (GitHub Actions)
- MySQL performance tuning
- React / Next.js
- Team leadership & agile delivery
- KRA eTIMS integration
- Frappe / ERPNext
- LLM tooling (Ollama, Hugging Face)
- React Native, Kotlin

ACCOMPLISHMENTS

- Cut production MySQL CPU load at LifLif from 110% to under 10%, stabilising a platform serving 10k+ app users, 1,000+ drivers and 500+ vendors.
- Shipped M-PESA payment flows (STK Push, C2B, B2C) that processed over KES 10 million in lottery transactions.
- Sole mobile developer behind Rafu Zetu's Store and Seller apps, launched on Android and iOS and used by 300+ active sellers.
- Led engineering teams of six (Intelbyt) and seven (LifLif) developers, setting code-review, release and state-management standards.
- Delivered KRA eTIMS e-receipting end to end, from mini app to invoice PDFs and business dashboard.

PROFESSIONAL EXPERIENCE

Team Lead & Product Engineer, LifLif Kenya **Sept 2025 to Present**

Nairobi, Kenya

- Lead engineering for a multi-service delivery platform with 10k+ downloads, 1,000+ drivers and 500+ vendors; manage a team of 7 developers across sprint planning, code reviews and releases.
- Cut production MySQL CPU load from 110% to under 10% through query and index optimisation; run infrastructure on AWS, Contabo and Docker.
- Built the v3 multi-drop ordering API in Laravel with route quotes, haversine distance pricing and per-parcel charge allocation.
- Lead author of the merchant portal: orders, rider management, reporting and branch-scoped permissions.
- Top contributor to the Flutter driver app: background tracking with an offline upload queue, check-ins, push notifications and deep linking.
- Built and deploy the customer web app in React/Next.js with GitHub Actions CI/CD.
- Deploy, upgrade, customise and administer Frappe/ERPNext instances.
- Built an AI-assisted tender intelligence tool using open-source LLMs (Ollama, Hugging Face) and KUMIKUMI POS, an offline-first point-of-sale SaaS.

Full-Stack Developer, Interactive Media Services Kenya **Sept 2024 to Present**
Nairobi, Kenya

- Built lottery payment flows that processed over KES 10 million, plus subscription games and an offline-first SME POS.
- Built the Asante staff-tipping mini app on Safaricom M-PESA Mini Apps with STK Push, C2B and B2C flows.
- Built e-Receipt end to end: KRA eTIMS e-receipting via a mini app, invoice PDFs and a business dashboard.
- Led the van-sales and inventory platform for an LPG distributor, including its Flutter field-sales app.
- Now a part-time consultant (since Sep 2025) on Laravel/React projects including an HR management system.

Senior Mobile Developer, Rafu Zetu **Jan 2023 to Present**
Nairobi, Kenya (Remote)

- Sole mobile developer: shipped the Store App and Seller App (300+ active sellers) in Flutter on Android and iOS.
- Owned Google Play and App Store releases end to end.
- Since Nov 2023, part-time consultant improving notifications, payment reconciliation, analytics and CI/CD after launch.

Full-Stack Engineer (Part-time), Lipa Mosmos **Mar 2023 to Nov 2023**
Nairobi, Kenya

- Save-now-buy-later fintech platform with 60,000+ users; one of a two-developer team.
- Built and improved goals, user profiles and shop modules across Flutter, React and Laravel.
- Extended the Mosmos mobile app into a full web app.
- Deployed and maintained services on Google Cloud.

Head of Development (previously Flutter Developer), Intelbyt Solutions **Feb 2021 to May 2023**
Remote

- Head of Development at Algoridm Technologies (Intelbyt subsidiary), Feb 2022 - May 2023: led six developers building Flutter and Django apps.
- Set reusable components, state-management patterns and delivery standards across the team.
- As Flutter Developer (Feb 2021 - Jun 2022), built responsive Android and iOS apps with product and design teams.

Junior Android Developer, Abora App Limited **May 2020 to Nov 2020**
Kenya
Built Android features in Kotlin under the mentorship of senior engineers.

EDUCATION

Jomo Kenyatta University of Agriculture and Technology (JKUAT), Juja, Kenya **Sept 2020 to Dec 2025**
BSc Civil Engineering

TECHNICAL PROFICIENCIES

Mobile:	Flutter (Dart), React Native, Kotlin (Android), Google Play & App Store releases
Backend:	Laravel / PHP, REST API design, MySQL (query & index tuning), Django (working knowledge)
Frontend:	React, Next.js, Blade, responsive UI
Payments & Integrations:	Safaricom M-PESA Daraja (STK Push, C2B, B2C), M-PESA Mini Apps, Equity Jenga API, KCB Buni API, Paystack, Stripe, KRA eTIMS (OSCU)
Cloud & DevOps:	AWS EC2, Google Cloud, Firebase, Contabo, Docker, Nginx/Apache, Linux (Ubuntu, CentOS), GitHub Actions CI/CD
ERP & AI:	Frappe / ERPNext (deployment, customisation, upgrades), open-source LLMs (Ollama, Hugging Face)

LINKS

Portfolio: https://lawrence.netbii.com/?ref=resume
LinkedIn: https://www.linkedin.com/in/lawrence-bii