

John Kabiu Mwaura

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Professional Summary

Experienced Senior Frontend Engineer and Mobile Developer with over 8 years of practice building scalable, lightweight, and resource-sensitive mobile and web applications. Expertise spans Flutter, React.js, Native Android (Java/Kotlin), Unity 3D, Node.js, Phalcon PHP, and GoLang. Proven ability to lead complex projects, optimize performance, and integrate sophisticated API services including payment platforms and biometric verification. Passionate about AI-driven agentic systems development and continuously innovating with emerging technologies.

Top Skills & Expertise

- **Advanced UI/UX Design:** Skilled in crafting smooth, lightweight, and responsive user interfaces optimized for mobile and web devices in resource-constrained environments.
- **Complex State & Data Management:** Expert in managing application state and server API calls to create efficient, fast, and seamless user experiences.
- **API Integration & Queuing Systems:** Extensive experience implementing REST APIs, Google APIs (Maps, Auth), RabbitMQ, and Kafka for complex, real-time data workflows.
- **Data Security & Encryption:** Developed custom data encryption methods and secure processing across platforms.
- **Custom SDK Integration:** Integrated biometric fingerprint technology (Secugen SDK) and developed reusable internal libraries for multi-platform advertising and data fetching.
- **Cross-Platform Development & Deployment:** Successfully built and deployed applications to Google Play Store and Apple App Store, maintaining compliance with evolving regulations.
- **AI and Agentic Systems:** Self-directed development of intelligent AI agents for workflow automation and task management, complementing company projects.

- **Dependency Management & Version Control:** Proficient in dependency injection techniques and managing code repositories using Git and Bitbucket.

Professional Experience

Senior Frontend Engineer | Mobile & Web

Liden Company Limited, Nairobi

April 2022 – Present

- Lead developer for **SokoPro**, a real-time sports news and subscription platform featuring affiliate marketing and dynamic live score updates.
- Developed ticket verification apps (**Tiko254**, **Zuizi**) utilizing QR code scanning.
- Created **Bids Moto**, a real-time product bidding game platform with high-frequency API calls and UI updates.
- Directed development for **Saloplus** frontend and dashboard, including backend debug and data alignment improvements.
- Built **MossBets**, a mobile gaming app featuring complex state management and minimal API calls, surpassing web performance.
- Developed additional gaming apps (*Wazibet*, *Sportika*) and multiple internal business dashboards.
- Engineered a fast USSD navigation system for the **PickABox** no-loss betting platform.
- Enhanced **Micro Finance CIC** app UI/UX for micro-investors, enabling easy incremental investments.

Mobile Developer

SMEs Tech Innovation (formerly Legitimate Technology), Nairobi

April 2021 – March 2022

- Implemented **Edu-Pesa**, a school pocket money payment system with fingerprint-based withdrawal terminals.
- Delivered geo-location service **Sqwodi**, integrating payment and Google Maps APIs.
- Developed **Daride** client-side app leveraging Apache Kafka, RabbitMQ, and geolocation services.

Mobile Developer

Legitimate Technology, Nairobi

April 2020 – March 2021

- Built wholesale purchasing e-commerce platform supporting group sales and distribution.
- Developed church management and scheduling app **Abudu Church App** supporting donations and service booking.
- Created **PayBill Manager** consolidating multi-paybill revenue sources for small business accounting.

Mobile Game Developer

Independent

2013 – Present

- Published multiple Android and iOS games with Unity 3D, Construct 2/3, GameSalad, and Cocos2DX.
- Developed betting advisory and sports tipster apps.
- Built business and veterinary management systems including **Unimeat** meat market POS and veterinary ERP solution.
- Designed landing pages for several businesses.

Education

- **BSc in Information Technology**

Jomo Kenyatta University of Agriculture and Technology (JKUAT), 2016 – 2019

- **Diploma in Information Technology**

Zetech College (JKUAT Program), 2014 – 2015

Technical Proficiencies

- Languages & Frameworks: Dart (Flutter), Java/Kotlin (Android), JavaScript (Node.js, Vue.js, React.js), PHP (Phalcon), GoLang, Unity 3D.
- Tools & Services: Git, Bitbucket, Google APIs, RabbitMQ, Kafka, Secugen Fingerprint SDK, custom encryption libraries.
- Platforms: Google Play Store, Apple App Store.

References

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