Ian Kariithi

Software Engineer

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SKILLS

Programming Languages & Technologies: Java, Kotlin, JavaScript, Dart, Android, Flutter, React Native, Firebase

Databases: Room, SQLite, ObjectBox, Hive, Realm, Isar

Architectures: MVVM, MVP, Clean-Architecture

EXPERIENCE

Teamway, Copenhagen, Denmark - *Mobile Developer, (Remote)*

OCT 2022 - FEB 2025

- Freelance mobile software engineer at Teamway.io for various clients and roles.
- Develop high quality Android (Native/Kotlin/Java) and iOS applications (Cross-platform using Flutter and React Native)

Quatrix Global, Nairobi, Kenya - *React Native Developer, (Hybrid)*

OCT MAY 2023 - JAN 2024

- Rebuilt an outdated delivery app that used geolocation, polylines and notifications to alert the rider and track the order from start to end.
- Implemented a perfect notification system that ensured the app location received foreground and background updates regarding an order,
- Recreated the UI to a modern, easy-t-use and beautiful one as opposed to the other one.
- Improved order delivery rates and rider/driver confidence in the product.
- Monitored, tested and debugged the app and issued timely fixes to the app.

Directcore Technologies, Nairobi, Kenya - *Lead App Developer*

OCT 2019 - DEC 2023

- Responsible for overseeing the development and maintenance of a mobile money application, Instacash
- Implemented a custom translation engine to support Siswati (an officially unsupported language on android and iOS) and English translations from the back end, store them, and use them in the UI. This also included a sync feature to keep the translations up to speed with the backend
- Supervise other developers, ensuring code quality and conformance with best 3 practices and company regulations. Running tests.

UbaPesa Limited, Nairobi, Kenya - *Android Developer*

JAN 2019 - DEC 2022

- Maintained the UbaPesa android application. The application is a client that serves a fully automated peer-to-peer lending platform in Kenya, through which users lend and receive money to other users over the platform.
- Used a superfast in built NoSQL database (ObjectBox) to store SMS data as it comes in, then it used a periodically scheduled task to send the messages to the back-end
- Used the SMS data to build an in-house credit scoring engine.
- Saved the company hundreds of thousands of dollars when the third party credit-score provider became unreliable due to local laws, and we switched to the in-house credit-scoring engine

WS Insight LTD, Nairobi, Kenya - *App Review Specialist (Consultant)*

FEB 2022 - APR 2022

- Responsible for reviewing a cross-platform Android and iOS mobile application called Insight Isecure that had fallen behind schedule and was not yet meeting its requirements.
- Assessed the security, code quality, state of implemented features against requirements, and came up with recommendations on how to improve and fix.
- Based on the state of the team and, gap in features and their inability to implement my suggestions, I recommended in my report that the entire development be cancelled to save WS Insight from further sunk cost. The project was abandoned.

SIDE PROJECTS *(More on my portfolio)*

Explicador84 Application - *Android & iOS*

https://apps.apple.com/us/app/explicador84/id1589042484

https://play.google.com/store/apps/details?id=mz.co.vm.explicador84.app

An educational quiz app for the Mozambique Ministry of Education in collaboration with Vodacom. It enables students to revise using educational quizzes according to their educational level in a 'gamey' way.

KOTLIN, FLUTTER, DART, FIREBASE, INSTABUG, SLP, REST APIs

KUPA Kenya Application - *Android & iOS*

https://play.google.com/store/apps/details?id=com.kupakenya.app

KUPA is a funeral insurance organization that helps people mitigate high unforeseen expenses in the event of a loved-one's death. This app helps to view and manage the account, make payments, get alerts for events and ate payments and organizational updates.

DART, FIREBASE, GRAPHQL, REST APIs

SILQU Application - *Android & iOS*

https://play.google.com/store/apps/details?id=com.silqu.app

SILQU is a Kenyan firm that runs an advanced fully-automated property management solution for landlords, tenants, caretakers and service providers. The app allows any of these entities to check their income, expenses, due bills, past payments and invoices.

DART, FIREBASE, MVVM, ROOM, GRAPHQL, REST APIs

Radio44 Application - *Android*

https://play.google.com/store/apps/details?id=com.radio44.app

Radio44 is a music radio station in Kenya. I was consulted to assist with problems with the media/audio streaming service, which I successfully redid.

JAVA, EXOPLAYER, MEDIA SERVICES, FIREBASE

EDUCATION

Karatina University, Kenya - *BSc. Information Technology*

AUG 2013 - DEC 2017

Graduated (Second Class Honours: Upper Division) having specialised in Software Development

eMobilis Mobile Technology Academy, Nairobi, Kenya - *Mobile Software Development & Entrepreneurship (Android Development)*

JAN 2013 - MAY 2013