Junior Mobile Engineer
Harrison Kimani Waiganjo

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EDUCATION

Masinde Muliro University , Kakamega , Kenya,   **September 2018 -December 2022**

● Bachelor of Science in Computer Science.

Emobilis Technology Training Institute , Nairobi , Kenya,   **January 2023 - May 2023**

● Full Stack software development and Android development.

KNOWLEDGE AND SKILLS

Knowledge

● Kotlin programming language.

● Android SDK and Android studio.

● Designing App user-interfaces using XML and Jetpack Compose.

● Intents,accessing phone hardwares and handling permissions

● Android databases, including Sqlite,Room database and Firebase.

● Retrofit and OkHttp for network communication.

● Android design patterns such as MVVM,MVC and MVP.

● REST APIS and Integration of various Apis from third parties.

● Version control tools specifically Git.

● Testing APIS using postman.

● Unit testing using Junit.

Skills

Languages:Kotlin.

Frameworks: Android Jetpack,Retrofit,Dagger ,Glide,Room,Coroutines and firebase.

Tools: Android studio ,Git,sqlite,firebase,Room, Github, Docker,Codename One, Postman.

PROJECTS

[Scan credo(click here)-](#) Scan Credo is a mobile app for Android devices that assists individuals in recharging their airtime by conveniently scanning their airtime cards using the built-in camera of their smartphones. To accomplish its purpose, the application incorporates various technologies, including firebase authentication, firebase ML kit, permissions, and explicit call intent.

[Quiz App(click here)-](#) This is a Quiz Android App where users can log in to their accounts, answer questions, and upon submitting, the app calculates their score and provides the user with the correct answers. The app utilizes Firebase authentication for user authentication. It also utilizes Firebase Firestore to store questions and their corresponding answers, which are then fetched by the app.

[CrudRoomDatabaseApp(click here) -](#) this is an application that allows users to add, read, update, and delete data stored in the Room database. The data includes the first name, last name, and roll number of individuals. The Room database is implemented using basic SQL queries to interact with the database.

[Jetpack compose meditation UI(click here) -](#) This is a user interface design from Dribbble that I created using Jetpack Compose.

[Retrofit-MVVM-livedata(click here) -](#) This is an application that retrieves data from an exemplary API. When the app is launched, a progress bar loads and displays the data obtained from the API. We fetch our data from the example API located at jsonplaceholder.typicode.com/todos.

[QR-scanner App(click here)](#) -The repository for the QR scanner app consists of a straightforward Android application designed for scanning QR codes and presenting the resulting output.

[CalculatorIntentWeb App(click here)-](#) This app consists of three main activities: Calculator, Intent, and WebView.The Calculator activity includes a self-made calculator that supports the four primary arithmetic operators.The Intent activity consists of buttons that trigger various intents, such as SMS, Call, Camera, Share, M-PESA, Dial, and

Email.The WebView activity simply displays a hardcoded Instagram page.