# Android / Full Stack Developer
## 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 Institute , Nairobi , Kenya**          **January 2023 - May 2023**

● Full Stack software development and Android development.

## KNOWLEDGE AND SKILLS

### Knowledge

● Python and Kotlin programming languages.

● Building responsive website user-interfaces using html,css, bootstrap and Javascript.

● Proficient in building scalable websites backends using Django.

● Familiarity with django rest framework.

● Proficient in third party Api integration such as M-pesa.

● Strong familiarity with the Android SDK and Android studio.

● Experience in designing App user-interfaces using XML and Jetpack Compose.

● Familiarity with android databases, including Sqlite,Room database andFirebase.

● Experience in using Retrofit and OkHttp for network communication.

● Knowledge and practical application of Android design patterns such as MVVM,MVC and MVP.

● Proficient in both SQL and No-SQL databases.

● Familiarity with unit testing of applications using Pytest and J-unit.

● Proficient in using version control tools specifically Git.

● Experience in testing APIS using postman.

● Understanding of Agile Software methodologies.

[Skills](#)

**Languages:** HTML5,CSS3,Javascript,Python,Kotlin.

**Frameworks:** Bootstrap5,Django,Android Jetpack,Retrofit ,Daggerhilt.

**Tools:** Git , Github ,Android Studio, MySQL , SQLite,Firebase,Room , Docker ,PostgreSQL ,Rest APIs(Django Rest Framework) , Postman.

## **PROJECTS**

### Android Development

- I developed a fully functional android application called **ScanCredo**(click here).The purpose of this app is to assist users in recharging their airtime by scanning the numbers on their airtime cards,eliminating the need to manually enter them one by one.Currently the app is in the process of being deployed on Google play store.

- I developed a fully functional **Quiz android app**(click here).The primary aim of the app is to enhance online learning.The app functions by allowing the administrator to upload quizzes to firestore a cloud based database.Subsequently,the app retrieves these quizzes and presents them to users who then attempt the questions, submit them and get results instantly.

### FullStack Development

- I developed a fully functional **Mpesa-Integrated Ecommerce website**(click here) that includes various features. The website incorporates authentication, search functionality, adding products to the cart, removing products from the cart, and enables products upload using Django admin. Additionally, the site offers order tracking based on user accounts.The payment process is streamlined using Mpesa, wherein the user enters their phone number during checkout and clicks on the 'pay' button. Subsequently, the user receives a message on their phone, prompting them to input their Mpesa pin.