Junior Software 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

● C#,Java,Kotlin,Python programming languages.

● Object oriented programming using C#,Java,Kotlin and Java.

● Software development life cycle.

● Android mobile development using Kotlin.

● Database design & management using SQL.

● Android databases SQLite,Room and Firebase.

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

● Building Rest APIs from scratch

● Mpesa integration.

● Testing APIS using postman.

● Data Structures in C#,Java,Kotlin and Python.

● Building functional websites.

● Unit testing using Junit.

Skills

Languages:C#, Java, Kotlin, Python, Html, Css and Javascript.

Frameworks: Android , .NET, Django, Bootstrap.

Tools: Android studio,Git , Sql server , Navicat premium, Github, Docker, Postman.

EXPERIENCE

● During my industrial attachment ,spanning from **October 2020** to **December 2020** at **Masinde Muliro University**,I got experience in database design and management in SQL using SQL server and Navicat Premium.

● I worked as a Technical Support Intern for the Safiri24 App. This role encompassed tasks such as app testing, writing bug reports, training users in app usage, addressing user queries, and providing regular updates to my supervisor. This internship period spanned from **July 2023**, to **August 2023,** at **Abno Software International**.

RECENT SAMPLE 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.

●[Mpesa integrated Ecommerce site(click here)](#)-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.