

**CURRICULUM VITAE**  
**BRIAN MUIGAI**  
**P.O BOX 1967-30200 KTL KENYA**  
**MOBILE: 0706033970**  
**EMAIL : brianmuigai1@gmail.com**

### **Personal Profile.**

Nationality : Kenyan  
ID Number : 32310607  
Date of birth : 1<sup>st</sup> September 1995  
Marital status : Single  
Nationality :Kenyan  
Gender : Male  
Religion : CHRISTIAN  
Language : ENGLISH AND KISWAHILI

### **Career Objectives.**

To be part and parcel of an effective team and above all realize the set organizational objectives.

### **Core Competence**

I am a motivated, adaptable and responsible person possessing excellent communication skills and quick to adapt to new environment of work. Over the years, I have gathered various skills and insights that have proved to be beneficial to my career, such as being a team player, result oriented, self-motivated and easy to learn

### **Education Background.**

**2014 to date : JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECH**  
Qualification : Bachelor in Mathematics and Computer Science

**2010-2013 : KAPSARA SECONDARY SCHOOL**  
Qualification : Kenya certificate of secondary education

**2002-2009 : KAPSARA PRIMARY**  
Qualification : Kenya certificate of primary education

### **Skills and Abilities.**

- Hard Skills
  - Problem Solving
  - Experimentation

- Computer and Technology knowledge
- Programming Languages
- Technical Writing
- Software development
- Data Analysis
- Linear Algebra
- Statistics
- Calculus
- Discrete Mathematics
- Soft Skills
  - Attention to Detail
  - Teamwork and Co-operation
  - Analysis
  - Communication
  - Creativity
  - Time management
- Programming Languages:
  - Python
  - Java
  - Android
  - Html
  - Css
  - Php
  - C++

## GitHub

- <https://github.com/BrianMuigai>
- Some of my public repositories include
  - MM1-Queue simulation, banking queue was the case scenario in context
  - Poison and ML in Soccer data analysis and prediction
  - Monte-Carlo simulation in solving stochastic and deterministic problem where passage of time plays no role
  - Armature word guessing game
  - Soccer Data Mining
  - Sample android Application (Simplified launcher for the elderly)
- One of the projects done and allowed by my client to credit my self with its development, is an e-commerce application for farmers named Farmlink. It's source code is made in Java for android. Unfortunately, it has not made its way to the play store. The link of the apk file [farmlink.apk](#)

## Projects

Although most of my projects were halted due to financial issues or clients doing hobby investments, I take pride in being a part of it since I had to learn the real world of a freelance software engineer first hand.

- **Financial Assistant:** An Android tool that helps users track their financial expenditures and also aid in budgeting. The tool was developed using java for Android and is still under development. Currently, the tool only works with M-Pesa transactions. Main modules of the tool includes SMS text scraping, google assistant integration and M-Pesa API integration
- **Bomafence:** An e-commerce website for Bomafence company.
- **Plants Diseases Analyzer:** A system implementing the use of AI in agriculture. The system was built on top of inceptionV2 architecture of deep convolution neural network. The aim was to build a mobile system that would help farmers detect plants diseases simply by taking a picture of the plant's leaves.
- **Farmlink :** An open e-commerce Android application for farmers, developed using java for Android. The application's main objective is to connect farmers and their customers and aid in the purchase.
- **Brij-fintech:** A Financial Technology project, like Stripe, made for developers, by developers. This project aims at creating an online financial service encompassing mobile money services and bank services. The drive is to ease the pain of integrating this services by developers in their project

## Other Activities and Interests.

- Football
- Table Tennis
- Swimming

## Referees.

Pure and Applied Mathematics Department, JKUAT

P.O. Box 62000-00200, Nairobi-Kenya,

Tel: 067-521881-452711,

Fax: 067-52197,

EXT: 2725,

Email: pam@jkuat.ac.ke

Samuel Ruugia,

System Administrator, Kenya Re,

Email: ruugiasamuel@gmail.co.ke.