

# MASINDE LORNAH BARBARA

## CURRICULUM VITAE

### Personal details

Name: Masinde Lornah Barbara

Phone: +254703358122

GitHub: <https://github.com/barbzlornah>

Website: <https://barbaramasinde.netlify.app/>

Email: [barbzlornah@gmail.com](mailto:barbzlornah@gmail.com)

### PERSONAL PROFILE

- An ambitious C#, Python and Java developer with a strong background and possess self-discipline and the ability to work with minimum or no supervision.
- An enthusiastic Data Scientist with experience in Big Data technologies
- Possesses a good team spirit and I am deadline oriented.
- I have strong commitment to keep up to date with the latest developments in the ever-growing technical space.

### WORK EXPERIENCE

#### BLOCKY BITS

##### Title

Software Developer

##### Duration

January 2020-Present

##### Roles and Responsibilities

- Writing and implementing efficient code in C#, Python and Java Programming Languages and frontend languages like HTML, CSS and Java Script.
- Researching, designing, implementing and managing developed software programs
- Developing quality assurance procedures and testing and evaluating the developed solutions
- Identifying areas of modification in existing programs and developing the modifications
- Generating system reports using crystal reports
- Working closely with a team of other developers for a common goal.

## **SAFARICOM PLC**

### **Title**

Data Science Intern

### **Duration**

From October 2019-December 2019

### **Roles and Responsibilities**

- Data Mining
- Data Cleaning
- Data Visualization and Analysis on Dashboards
- Creating Custom Data models and Algorithms
- Using predictive models to improve customer experience and revenue generation
- Coordinating with various technical /Functional teams to implement models and monitor results
- Developing processes, techniques and tools to analyze and monitor model performance while ensuring data accuracy.

### **Project worked on:**

#### **Product: Lipa Na Mpesa**

The aim of the project was to give insights to businesses that have incorporated the Lipa Na Mpesa feature, on their transactions performance as well as make it possible for them to understand their customers, and I did this through customer segmentation. I aggregated this information on a visualization dashboard. And went further to do sales forecasting with an aim that these users understand what is likely to happen in future in case the same trend continues.

## **SOFTCOM BUSINESS SOLUTIONS LIMITED**

### **Title**

Software Developer

### **Duration**

From October 2018-October 2019

### **Roles and Responsibilities**

- Writing and implementing efficient code majorly in C# programming language with HTML, CSS and JavaScript languages for the front end, ASP.NET, MVC, and JavaScript frameworks like Angular JS and React and MS SQL Server for the database.
- Researching, designing, implementing and managing developed software programs

- Developing quality assurance procedures and testing and evaluating the developed solutions
- Identifying areas of modification in existing programs and developing the modifications
- Generating system reports using crystal reports
- Working closely with other developers, UX designers, business and system analysts for a common goal

### **Projects worked on**

Softcom Business Solutions Limited majorly deals with the provision of a Hospital Management Information System. The system is designed into modules. I participated in the development of the below modules:

#### **The Patient Module**

This module is used for patient management and to control a patient's flow. From registering them, getting the data of their health condition, view the treatment and check their medical history and reports.

#### **The Comprehensive Care Centre Module**

This is an outpatient initiative that caters for patients with retro-viral disease. This module was focused on HIV patients. The aspects focused on include monitoring the drug adherence, inquires on the side effects of the drugs, monitoring the progress of a patient as well as creating a support network.

#### **The Human Resource Module**

This module keeps track of all the hospital employees' records from their employment, payrolls, leaves, appraisals, announcements, meeting schedules and specific employees' roles and responsibilities.

#### **Generation of reports**

This module helps management collect, analyze and view the performance data in a comprehensive format.

### **COSEKE LIMITED KENYA**

#### **Title**

Software Developer Intern

#### **Duration**

From May 2017-October 2017

## **Roles and Responsibilities**

- Installation and Configuration of computer hardware
- Troubleshooting of systems and network problems
- Providing support, including procedural documentation and relevant reports
- Talking clients through a series of actions to help setup systems or resolve issues.
- Supporting the roll-out of new applications
- Setting up user accounts and profiles and deal with password issues.
- Testing and evaluating new applications

## **Projects worked on:**

I supported the below software in the below institutions;

- **The Ministry of Lands and Physical Planning-** A Lease Management Information System
- **The National Titling Center-**A Title Deed Management System
- **The Royal Media Offices-** An Advertisement Booking System
- **The Kenya Power Pension Fund Offices-**A Pension Management System

## **EDUCATION BACKGROUND**

- Bachelor of Science Informatics-University of Eldoret (From August 2014 to August 2018 and graduated with a Second Class Upper)
- Kenya Certificate of Secondary Education (K.C.S.E)-Lugulu Girls' High School (2010-2013)
- Kenya Certificate of Primary Education (K.C.P.E)-Nzoia Sugar Company Primary School (Completed in 2009)

## **CERTIFICATIONS**

- Machine Learning scholarship program for Microsoft Azure-A collaboration course of Microsoft and Udacity (From July 2020-September 2020)
- Business Intelligence and Analytics Certification Course-Udemy (From June 2020-August 2020)
- Data Science and Analytics Certification Course -Udemy (From January-May 2020)
- Oracle Certified Associate (OCA)-Alphax College Eldoret (From February to April 2017)
- Cisco Certified Networking Associate- Intelcert College Eldoret (From August to December 2015)
- Programming in C, C++, Java and Visual Basic-Elgon View collage Eldoret (From January 2015-April 2015)
- Computer Packages-African Institute of research and development studies Nakuru (From January 2014-April 2014)

## **REFEREES**

➤ BENJAMIN KENYATTA

SOFTWARE DEVELOPER, COSEKE LIMITED KENYA

P.O BOX 1208-00606,

NAIROBI KENYA.

Tel: +254702002602

**(FORMER SUPERVISOR)**

➤ EDWIN MAINA

CLOUD ENGINEER, TRACOM BUSINESS SOLUTIONS

P.O BOX 234,

NORTH KINANGOP.

[Tel:+254701638117](tel:+254701638117)

[\(PEER\)](#)

➤ WYCLIFE KIPKOGEI

SOLUTIONS ARCHITECT, SAFARICOM PLC

P.O BOX

NAIROBI KENYA.

Tel: +254727269588

**(FORMER SUPERVISOR)**

