

# Joan Muthoni

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## ABOUT

I am a passionate Software Engineer. I'm quick to grasp new ideas and concepts, and to develop innovative and creative solutions to problems. I am an enthusiastic and professional person, who enjoys being part of, as well as leading, a successful and productive team. I work well on my own initiative and can demonstrate the high levels of motivation required to meet the tightest of deadlines. Even under significant pressure, I possess a strong ability to perform effectively.

## SKILLS

Am Proficient with a vast array of computer knowledge, concepts and technologies including:

**Programming Languages:** Java : SpringBoot, Android

**Database Systems:** MySQL, Firebase

**Technical Skills:** System Analysis and Design, Mobile Technology

**People Skills:** Remote Pair Programming, Teamwork, Client Communication

**Website Development:** HTML, CSS, Wordpress

## PROJECTS UNDERTAKEN

### LU University Map Mobile App (10/2019 - 04/2020)

This is a mobile App that gives clear directions within the university providing the shortest routes to use. Laikipia University is a vast area with buildings and facilities distributed far apart. New students, staff and visitors would normally get lost while looking for lecturer halls, offices and other buildings hence wasting a lot of their time. The direction signs provided in the university don't provide reliable and accurate directions.

This App solves this challenge by helping people navigate from their current position to their chosen destination on an easy to use User Interface.

This App can be customized for use in any Institution e.g other University campuses, Hospitals, Malls among others

**Tech Stack :** Android, MySQL

**Tools Used:** Android Studio, IntelliJ IDEA, Chrome Browser

### Donor Recipient App (02/2021 - 04/2021)

A mobile application developed that gives a connection between a donor and a recipient.

This Android application aims at linking and matching donors or prospective donors to patients requiring organ donation. The donors and patients register through the app by filling their

personal details and uploading their medical reports. The donor uploads the donor card as well. The phone numbers are verified by use of One Time Passwords (OTP). All data is stored securely in a Database. The App provides a secure way for patients to interact with donors and promptly source for organ or blood donation.

**Tech Stack:** Java , Android , Firebase

**Tools:** Android Studio, Firebase, Chrome Browser

## EDUCATION

*09/2017 – Present*

### Computer Science

**Laikipia University-** I have completed and passed the following courses in my degree; Objected Oriented Programming, Computer Networks, Computer Organization and Architecture, Advanced Database Systems with Oracle, Design and Analysis of Algorithms and Mobile Applications Development.

*02/2020-10/2020*

### Android Nanodegree

Udacity

*02/2021 – Present*

### Bachelor of Technology

**Microverse-** Learning how to master algorithms, data structures, Android Application Development while simultaneously building projects using them.

## WORK EXPERIENCE

*02/2021 – Present*

### Team Lead

Microverse

I am Responsible for:

Clarifying technical specifications for projects we undertake

Leading technical design sessions and helping the team make decisions on what tech-stacks to use

Leading the team in executing projects and being the go-to person when team members need clarifications

Communicating project timelines in a prompt and accurate manner

## CERTIFICATES

Android Developer Bundle

Java Nanodegree

## LANGUAGES

English

*Full Professional Proficiency*

Kiswahili  
*Full Professional Proficiency*

## INTERESTS

Networking	Research
Travelling	Programming

## REFERENCES

1. Madam Ireri Njeri  
Lecturer Laikipia University  
Nyahururu  
Mobile: 0774345354
2. Ms. Peninah Gathoni Ng'ang'a  
Technical Program Manager  
Microsoft  
NAIROBI  
Mobile: 0711272715
3. Mr. Samuel Gathaiya  
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