








# Maximo Mugisha

Senior Software Engineer

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Competent, forward-looking Computer and Software Engineer with 6+ years experience in creating and innovating ideas into software solutions to enhance business productivity. Consistently recognized as a hands-on leader, skilled at project collaboration in cross-functional teams with a fast-paced, deadline-driven environment to steer timely project completion and within budgetary constraints.

## Experience

### COMPUTER MEDICS LIMITED | Software Developer

May 2022 – Up-to-date | Rume Towers, Nakasero, Kampala

- Currently employed as full time Senior Back-end software developer in Python for different projects.
- Also part of the DevOps team for different several projects.

### SHOPTO UGANDA LIMITED | Senior Back-end Engineer

April 2019 – June 2021 | Kampala, Uganda

- Started as a Junior back-end developer in Ruby and Ruby on rails.
- Later Promoted to Senior back-end developer in Python and Django.
- Among the roles was developing a USSD application to use on phones that are not smartphones

### MAKERERE UNIVERSITY - ARMS PROJECT | Software Developer

May 2016 – March 2018 | Makerere University, Kampala.

- Designed and implemented a Digital signage System at the college of engineering, Design, Art and technology that helps in information dissemination on the screens in the college, using Raspberry Pi technologies.
- Designed and implemented an MVP of an election/poll system to aid in student leadership elections at the same college.
- Website design and development.

### RETIREMENT LIFE HUB | C.T.O | Web Developer

September 2019 – January 2022 | Kyanja, Kampala

- Chief Technology Officer – Always work hand in hand with the CEO in brainstorming and implementing strategies for the development of the company's Technology for better service delivery.
- Bulk email and social media management

### FREE LANCE SOFTWARE DEVELOPER | Python, Ruby, JavaScript

Since 2016 | Kampala

- Since 2016, I have been working on freelance projects and solutions with different teams and companies, the latest being an auto irrigation and garden environment monitoring system

## Projects

### JUDICIAL SERVICE COMMISSION HUMAN RESOURCE SYSTEM | Python / Django / React

2022

- Developing the Back-end of the Human resource of the Judicial council of Uganda known as the Judicial Service commission
- Managing Databases, Hosting, and maintenance of the servers on which the system is hosted.
- DevOps lead on the entire project

## IRRIGATION APP | Python / Django

2021

- This app helps monitor soil conditions like temperature and moisture and alerts users in case there is need to irrigate or add fertilizers.
- It incorporates AI that predicts chances of raining depending on the environmental conditions

## SHOPTO APPS | Ruby/ Ruby on Rails and Python/Django

2019-2021

- Shopto App is an Inventory management system for shops.
- Shopto delivery App is a system for making orders, purchase delivery for shop items especially to remote shops.

## FARMGAIN APP | Python/Django

2020

- This is a system for connecting farmers to buyers in big markets all around Uganda
- It eliminates the middle man effect of under pricing farmers.

## DESIGN PROJECTS | Adobe Illustrator | Figma | Adobe XD | Adobe Photoshop

Since 2016

- Worked on several designs for web, print and branding in the above software
- Built UIs for different Mobile Apps and Web Apps

## VARIOUS WEBSITES | WordPress | Python | HTML and JavaScript

- I have designed, developed and maintained various number of websites that are still active and fully functional with total customer satisfaction.

## Service | Voluntary Work

- I trained young innovators at an innovation camp in Soroti, sponsored by MIT-DLab when I was reached out to by Resilient Africa Network (RAN) in January 2019.
- I also volunteered to teach students from different schools on how to integrate technology with Agriculture at UCU Mukono, sponsored by RAN
- As an Africa code week implementing partner, I have since 2017 been volunteering to teach coding and problem-solving skills using technology to students from as young as 9. The project is sponsored by SAP, Irish Embassy, UNESCO and many more.
- I carried out a training to local farmers in Northern Uganda and the West-Nile, developed a system for them to help them catalogue their produce with the prices using smartphones. This has helped them eliminate the problem of middle-men unfair pricing of their produce. This project was sponsored by Action for Livelihood Enhancement in Northern Uganda (ALENU), Office of the prime minister, DINU, CARITAS, AFARD, GWED-G and European Union in October 2020.

## Skills

### PROGRAMMING

Python • Ruby • JavaScript  
Android Development  
Kotlin • Flutter

### LIBRARIES/FRAMEWORKS

Node.js • Django • React • MySQL •  
Postgres

### TOOLS/PLATFORMS

A.W.S • Github • Docker • Heroku •  
GCP • Wordpress

## Education

### MAKERERE UNIVERSITY

Bachelor's in Computer Engineering  
Sep 2015 - Jan 2020 | Kampala, Uganda  
College of Engineering, Design, Art  
and Technology

### NTUNGAMO HIGH SCHOOL

Uganda Advanced Certificate of  
Education  
March 2013 - Dec 2014 | Ntungamo, Uganda

### BISHOP OGEZ HIGH SCHOOL

Uganda Certificate of Education  
Feb 2009 - Nov 2012 | Bushenyi, Uganda

## Awards / Honors

### CODEIT INSTITUTE OF TECHNOLOGY

Certificate in Python, Blockchain and AWS

Jan 2021 | The Innovation Village Kampala

### AFRICA CODE WEEK

Certificate for Training (others) programming Using Scratch

Annually since 2017

### MIT | D-LAB

Certificate of collaboration to finding practical solutions to alleviate poverty

January 2019

## References

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### Dr. Charles Barugahare ,

Former, University Secretary, Makerere

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