

OKELLO PATRICK

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PERSONAL INFORMATION

- Age: 24, Gender: Male, Nationality: Ugandan
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BIO

I am a Full stack software Developer and a recent Computer Science graduate from Mbarara University of science and Technology. I am self-motivated and passionate about solving daily challenges and problems using Technology. As I've grown as a developer, I've worked alongside senior designers and developers who have raised my standards for what's expected of any Backend Developer. Through these experiences, I've had the opportunity to create memorable products that are not only enjoyable to use but are written in code that's maintainable and easy to understand and scale.

EDUCATION

Mbarara University of Science and Technology

Mbarara, Ug

Degree – Bachelor's Science in Computer Science

Graduated: May 2022

- Awards: Best Final year and Overall Faculty Computer Science Project. – I developed a soil testing mobile application called Soilla that is powered by Artificial intelligence to help farmers classify their soil types and know the right crops to plant on their garden.
- Student lead – Data science Club of Mbarara University of Science and Technology. My main role was training fellow students on Data science skills.

WORK EXPERIENCE

Takataka Plastics

Gulu, Ug

Takataka Plastics is company that is focused on recycling plastics into reusable household products and building materials. They are currently based in Gulu. Here was my role,

Mobile and Web Software Developer.

June – August 2022

- Designed, developed, and maintained a mobile and web application for mapping all the waste collection infrastructures in Gulu city using mainly Java, google maps and PHP.
- Modeled and designed the entire system architecture of the company's database and server scaling using virtual servers hosted on amazon cloud.

- Worked with primary school students in a drive to promote plastic waste recycling using mobile recycling hubs.

Mwonyaa Stream

Gulu, Ug

Mwonyaa Stream is media company focused on Music streaming with an aim of promoting Ugandan music. It is currently based in Gulu, northern Uganda.

Full Stack Developer [main role]

March 2021 – July 2022

- Created and maintained a scalable virtual server for hosting the company's digital brand product and implemented various security mechanisms to ensure the music streaming site was active without downtime.
- Created an AWS optimization function for the music streaming service with AWS cloud front and S3 Bucket to improve audio streaming experience for users.
- Built the music streaming Mobile App in Android native using Java programming language
- Developed APIs for the several projects to allow collaboration and sharing of data easily within the company.

Kakeke Technologies

Lira, Ug

Kakebe Technologies is a tech start-up based in Lira and it's known for their brand product Kakebe shop which is an online shopping platform. Apart from the shop, they also design and develop all sorts of software products for businesses and companies all over northern Uganda. Below is the main role I had while at the company.

Full Stack Developer [main role]

Oct 2019 – July 2022

- Ensured the shopping web and mobile app servers were active and reliable with fast content delivery setup through Amazon CloudFront and custom functions.
- Led a team in developing and deploying a production pipeline to allow easy and fast code updates to production without server downtime.
- Offering Advice and Implementing Key Technology aspects of the Kakebe Technologies Products. This includes the online shop and several customer websites and web systems.
- Designed and Reviewed the Company's Landing and profile page. Currently working on making new improvements on the web and mobile interfaces for better customer experience.
- Brainstormed Ideas for the company's online shop in integrating agricultural products and producers on the site. This allows farmers and the entire agricultural sector to trade and sell their products online through the mobile shop app.
- Designed and implemented the Central and main Database built on SQL and Apache Server to power both the web and mobile apps developed by the company.
- Created a Marketing Strategy and User Analytics Plan to improve user retention on the shopping site

SKILLS & INTEREST

SKILLS

- Full Stack Web Development
- DevOps (Docker, AWS, google cloud)
- Mobile Development [Android]
- Databases Design and implementation [MySQL, Postgres, Mongo, Firebase]
- User Interface Design [Mobile and Web]
- Robotics and Embedded Systems
- Data visualization using matplotlib
- Image Processing and Classification using python.

INTERESTS

- Block Chain and Digital currencies
- Data Science
- Networking
- Design – UI/UX
- Deep Learning
- Teaching and Sharing Knowledge
- Hackathons

REFERENCES

- **Okwoko Peter**
Chief Executive Officer at Takataka Plastics, Gulu City 0780177969.
- **Kimera Richard**
Global Auto Systems & Lecturer, Mbarara University of Science and Technology
0701437989 | kimrichies@must.ac.ug.
- **Otem Moses**
Operational Director at Path Ministries International 0773710926 | moses@otinowaa.org