

Nakimbugwe Edith *Software Engineer*

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Highly motivated and dedicated professional with a passion in software development. I have consistently demonstrated a strong ability to complete my tasks in time and maintain a stable connection with my colleagues.

I am a proactive problem-solver, good at analyzing complex solutions and implementing effective solutions.

I possess excellent communication skills, both verbal and written allowing me collaborate seamlessly with cross-functional teams, stakeholders, and clients.

📁 Professional Experience

Full-stack Developer,

Science, Technology and Innovation Secretariat of Uganda

08/2025 – Present
Kampala, Uganda

In this position, I design, build, and maintain high-quality software solutions that drive STI's mission forward. My expertise spans the full development lifecycle from architecting scalable backend systems and integrating seamless APIs to crafting intuitive and responsive frontend interfaces. I take pride in writing clean, efficient, and maintainable code while leveraging modern frameworks and best practices to deliver scalable applications.

Collaboration is key to my approach. I work closely with diverse teams including product managers, designers, and fellow engineers to translate complex business requirements into functional, user-centric solutions.

Whether it's optimizing performance, troubleshooting issues, or innovating new features, I thrive at solving technical challenges that enhance both functionality and user experience.

Junior Software Developer, UETCL

Served as a Junior Software Developer at UETCL, collaborating with the development team to design, build, and maintain software solutions that aligned with organizational needs and enhanced operational efficiency. Supported the full software development lifecycle from requirements gathering and coding to testing and deployment while ensuring systems were reliable, user-friendly, and scalable. Assisted in troubleshooting, integrating user feedback, and improving applications to support the company's mission and day-to-day operations.

09/2023 – 07/2025
Kampala, Uganda

Backend Development with .Net and Laravel frameworks, UETCL

I contributed to building and maintaining RESTful APIs and core system functionalities using .NET and Laravel. I worked closely with frontend and mobile teams to integrate systems, optimize backend performance, and ensure data consistency. I was also involved in writing database queries, debugging server-side code, and preparing technical documentation. This role sharpened my skills in enterprise backend development and improved my ability to work in a fast paced team environment.

12/2024 – 02/2025
Kampala, Uganda

Network administration (Internship), UETCL

I was thoroughly taken through windows server and active domain operations and was responsible for supporting the IT infrastructure team in monitoring and managing the organization's network systems. I assisted in setting up and configuring network hardware, troubleshooting connectivity issues, and maintaining documentation of network layouts. I also participated in routine maintenance tasks such as updating firmware, analyzing traffic logs, and responding to network alerts. The experience gave me a solid foundation in computer networking principles and hands-on skills in network support and security practices.

06/2024 – 08/2024
Kampala, Uganda

Mobile development with flutter (Internship), UETCL

During this internship, I worked on a cross-platform mobile application built using Flutter. I was involved in UI development, integration with backend APIs, and user testing. I gained experience in building responsive layouts, managing state using provider architecture, and debugging mobile features. This role deepened my knowledge of mobile app development and introduced me to real-world agile development workflows.

08/2023 – 09/2023
Kampala, Uganda

 Education

Bachelor's degree of science in software engineering,
Mbarara University of Science and Technology

Mbarara, Uganda

Projects

Liver disease diagnosis accuracy improvement, *Mobile application*

This was my third year project, a mobile application designed to aid in the early diagnosis of liver disease by analyzing clinical indicators. I developed the frontend using Flutter, ensuring a user-friendly interface for easy data input and navigation. The backend was implemented using Firebase, which facilitated real-time data storage and retrieval. The project emphasized data privacy and ease of use for medical personnel and patients.

I utilised machine learning algorithms to improve the diagnosis accuracy.

Poultry management system, *Mobile Application*

Designed for small to medium poultry farmers, this app simplifies the monitoring of poultry operations, including feeding schedules, egg production, and vaccinations. I developed the frontend using Flutter and built the backend with C# on the .NET framework, supported by a SQL Server database.

CareWay app, *Mobile Application and Web System*

CareWay is a health services platform connecting patients specifically HIV patients to nearby medical providers outlining the available services and operation time at each facility and also throwing reminder notifications for patients to take their meds and the scheduled time. I developed the mobile app frontend using Flutter and built the backend services in .NET C#, paired with a SQL Server database. The web system, built with Next.js, offers a responsive and user-friendly interface for administrators and service providers. The platform supports features like appointment booking, approvals, and messaging.

Business Profitability Analysis Application(Kibalo), *Mobile Application*

Collaboratively developed a Business Profitability Analysis Application that enables users to evaluate the financial viability of business ideas by calculating projected profits based on user-entered costs and revenue estimates. The application allows users to input various operational expenses, pricing, and expected sales volumes, and automatically computes key financial indicators such as total costs, gross profit, and net profit. It supports scenario-based analysis, helping entrepreneurs and potential investors simulate different business conditions and make informed, data-driven investment decisions before committing resources.

<https://play.google.com/store/apps/details?id=com.kibalo.app> 

Tours & Travel Booking Web Application, *Website*

Designed and developed a Tours & Travel platform to promote safari experiences in Uganda, enabling users to discover destinations, explore curated packages, and engage with travel services. Implemented dynamic and responsive user interfaces, reusable components, and API-driven data integration to manage tour content efficiently. Focused on user experience, scalability, and modular architecture to support future feature expansion such as booking, authentication, and third-party integrations.

<https://seasonsoflifetoursandtravel.com/> 

Hackathon Management System, *Web Application*

Collaborated within a team of three to design and develop a comprehensive digital platform that streamlined the complete hackathon lifecycle, including participant registration and application management, mentorship coordination, project and prototype submissions, judging workflows, team communication, and automated event reporting. The platform improved operational efficiency, collaboration, and participant engagement for innovation-driven programs and national technology events.

<https://events.sti.go.ug/>

Skills

Software Development

Full stack developer

Systems Data Management

Database Management

Active Listening

Ability to listen actively, and share information in a way that others easily understand.

Organizational Learning

Ability to organize, store, share, and effectively use information to improve decision-making and performance.

Data Entry

Microsoft Office package

Interpersonal skills

Great with people and team environments

Ethical Conduct

I demonstrate honesty, accountability, and strong moral principles in all actions and decisions.

{ } Programming Languages And Frameworks

Dart

flutter

php

laravel

html, css, javascript

React, Next.js

python

Django

Flask

C#

.Net

Java

References

Mr. Chillion Mukonyezi, *Systems administrator*, UETCL

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Mr. Kateeba David, *Officer - Industry 4.0+*,

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Declaration

I hereby declare that the information provided above is entirely true.



Nakimbugwe Edith