

CONTACT DETAILS

Name: Kaganzi Timothy

Age: 27 years old

Gender: Male

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PERSONAL PROFILE

I am a results-driven, self-motivated, and adaptable Software Engineer with a passion for delivering high-quality software solutions. With experience in software development life cycle principles, Agile Methodologies, web application development, and deployment on cloud platforms, I am well-equipped to deliver successful projects. I have excellent communication skills and a track record of collaborating effectively in team environments to achieve project goals. I am always eager to learn new skills and technologies to stay up-to-date with the latest industry trends.

EXPERIENCE

Period: Dec 2022 to Present

Company: UFANISI AFRICA

Position: Senior Software Developer (Remote)

Responsibilities:

- Provided technical support to customers by answering their questions, troubleshooting problems, and resolving issues.
- Fixed bugs in the software, resulting in a 90% reduction in customer complaints.
- Updated the existing software products to improve performance and add new features.

Skills:

- PHP, Laravel
- HTML
- CSS
- JavaScript

Period: 2020 to Present

Company: MunoClub Company Ltd

Position: Full Stack Web Developer

Responsibilities:

Developed web applications that include content management systems, hospital management systems, and e-commerce platforms.

Key achievements include:

- Developed a Content Management API for a Non-Government Organization (NGO) that allows them to update and display their activities to their clients. The system was used by over 1000 users and resulted in a 20% increase in website traffic.
- Created a Hospital Management System that streamlines patient check-in, consultation, laboratory testing, doctor appointments, role-based authentication, authorization, and patient check-out. The system has been used by over 1,000 patients and has resulted in a 15% reduction in wait times.

- Implemented Role-based Authentication, Authorization, and patient check-out functionalities in the Hospital Management System.
- Designed and developed an Online Ordering System for a restaurant with a monthly subscription plan for office-oriented customers. The system has been used by over 300 customers and has resulted in a 10% increase in sales

Skills:

- PHP
- HTML
- CSS
- JavaScript
- MySQL

Sample URLs: <https://drhabo.com/> <https://web.harvestfoods.ug/>

Period: June 2019 to Sept 2019

Company: Uganda Revenue Authority

Position: Intern

During my internship at Uganda Revenue Authority, I had the opportunity to gain valuable hands-on experience in software development. This experience gave me a deep understanding of the software development life cycle principles, web application development, and deployment on Microsoft Azure. One of my key responsibilities during the internship was to develop a SACCO management system. I leveraged my expertise in Microsoft SQL Server and Entity Framework based on the .NET Framework to create a system that is efficient and reliable.

In addition to software development, I also provided detailed documentation throughout the software development life cycle, ensuring that the system was well-documented and easy to understand. This documentation proved to be an essential asset during the system's testing and deployment. Overall, my internship at Uganda Revenue Authority provided me with an excellent opportunity to hone my skills in software development. It also allowed me to work on a real-world project and

gain hands-on experience in every stage of the software development life cycle, from planning and design to deployment and maintenance.

Link: <https://github.com/Tysonic/PMWelfare>

Period: 2018 to 2019

Position: Freelance Web Developer

As a Freelance Web Developer, I created static websites and web applications for clients. I also provided online solutions and support through platforms like Upwork.

- I developed a blogging site using the Laravel framework and MySQL database. The site included features such as user registration and authentication, a blog post editor, comment sections, and search functionality.

Link: <https://regularguyug.com/>

- I worked on a project to create a preschool website using HTML, CSS, and JavaScript. The website had a colorful and engaging design, which included features such as a homepage with information about the school, an about page, a gallery page with pictures of the facilities and activities, and a contact page with a form for parents to get in touch with the school Link:

<https://ethelpreschool.com/>

PROJECTS

Harvest Foods Ecommerce System.

For the Harvest Food restaurant, I created a web platform from scratch that allowed customers to order food online. I built the platform using a combination of technologies including HTML, CSS, JavaScript, PHP, SlimPHP, and MySQL. As part of the project, I also developed a RESTful API to support the website functionality. The website featured a user-friendly interface with secure login and registration systems, a menu displaying various food options and prices, and the ability for customers to customize their orders. Additionally, the website incorporated a payment gateway and order tracking system to help customers track the progress of their orders. Throughout the development process, I ensured that the website was responsive and mobile-friendly. The outcome of the Harvest Food restaurant ordering website and API project was a seamless user experience for customers to place their

orders online. The website was designed with a user-friendly interface that allowed customers to view the menu, select their items, and place their orders easily. The API was integrated with the website to ensure that orders were processed efficiently and accurately. The MySQL database was used to store all the necessary information about the restaurant, menu items, and customer orders. The use of SlimPHP, HTML, CSS, JavaScript, and PHP ensured that the website and API were scalable, efficient, and easy to maintain. Overall, the project was a success, and the restaurant was able to increase its customer base through the online ordering system. This helped to boost the restaurant's sales and also get customer feedback quickly

Chato Website

This website was developed for a hotel and has both admin section and Customer section.

1. Admin Section:

- The website has a designated area accessible only to administrators. This section is typically password-protected and provides functionalities that are not available to regular users. Administrators have the authority to manage various aspects of the website.

2. Responsibilities and Tasks:

- As part of my involvement, I was responsible for working on this specific website. This could include tasks like:
 - Developing new features or functionalities for the website.
 - Modifying existing code to enhance performance or add new capabilities.
 - Fixing bugs or issues that arose during development or after deployment.
 - Collaborating with other team members, such as designers or front-end developers, to ensure a seamless user experience.

3. Impact:

- By working on this project, I contributed to the successful development and maintenance of the Chato website. I helped ensure that the admin section was functional and user-friendly, providing the necessary tools for administrators to manage the website effectively.

Overall, I was involved using the Laravel framework to work on the Chato website, specifically focusing on the development and maintenance of the admin section, which is a critical part of the website's functionality.

Source Code: https://github.com/kagsburg/laravel_blog_website

DrHabo Web App

As a software developer, I worked on a hospital management system for a gynecologist that aimed to streamline the patient check-in to checkout process. The system was built using modern web development technologies such as HTML, CSS, JavaScript, PHP, Github and MySQL.

Some of the key features of the system included a patient registration portal, appointment scheduling, electronic medical records, billing and payment management, and reporting. The system also allowed for real-time communication between doctors and nurses, as well as automatic alerts for patients with upcoming appointments.

Throughout the development process, I worked closely with the Hospital to ensure that the system met their specific needs and requirements. I also provided thorough documentation to ensure that the system could be easily maintained and updated in the future.

However, a hospital management system improves patient care by streamlining administrative tasks and providing easy access to patient information. It can also help healthcare professionals make more informed decisions based on real-time data, leading to better patient outcomes.

Ancestry Api

Ancestry API is a project I worked on which involved developing a RESTful API using Python FastAPI and MongoDB. The API was designed to allow users to search for information about their ancestors and build family trees. I was responsible for implementing the back-end logic, database integration, and API endpoints.

The main features of the API include search functionality for ancestors based on name, birth/death dates, and location. It also allows users to add/edit family tree information, including adding new ancestors and relationships between them. The API was secured with authentication and authorization using JWT tokens.

Throughout the project, I adhered to best practices for API development, such as implementing versioning, error handling, and documentation using Swagger UI. I also

conducted extensive testing to ensure the API's functionality, performance, and scalability.

The outcome of the project was a fully functional and scalable API that met the client's requirements for ancestry research and family tree building. The API was successfully deployed and integrated into the client's website, providing users with a reliable and efficient way to search and manage their ancestral data. Source Code:

<https://github.com/kagsburg/familytree-api>

RHF API (Rape Hurts Foundation)

As a software developer, I worked on developing an API for the Rape Hurts project using Django and Python. My responsibilities included designing and implementing the API endpoints, handling database queries and optimizing query performance, and integrating the API with the front-end of the application.

To achieve this, I utilized Django Rest Framework to create a RESTful API with JSON responses. I implemented authentication and authorization for secure data access and implemented data validation to ensure data integrity. Additionally, I designed the database schema using MySQL and optimized queries for efficient data retrieval.

The outcome of the project was a functional and scalable API that allowed users to access and manage data related to sexual violence. The API had various endpoints that provided access to resources such as user accounts, support centers, legal aid centers, and self-care resources. The API had features such as user authentication, data validation, and error handling to ensure that data was securely managed and processed. It was designed with a robust and scalable architecture that could handle high traffic and large amounts of data. Overall, the project helped to provide a critical resource for survivors of sexual violence and those who support them. The API enabled users to easily access resources and services that could help them heal and recover from trauma. Link: <https://admin.rapehurtsfoundation.org/swagger/>

Rental Management System

This project involved designing and developing a Real Estate Management System. I used React for the front end and Laravel with MySQL to develop the API. The system would enable the landlords to track revenue inflows from their different real estate investments and the various defaulters who have not yet paid based on the tenancy agreement. The main purpose of this project is to help the landlord monitor and track the revenue inflow and help the landlord to transition from having to use books to an online system that can be accessed from anywhere. Source Code: [kagsburg/Rental-online](https://github.com/kagsburg/Rental-online)

TECHNICAL SKILLS

- Programming languages: JavaScript, PHP, Python
- Frameworks: ReactJS, Laravel, Django, FastApi
- Databases: MySQL, MongoDB
- Cloud Platforms: IONOS, Heroku, Digitalocean
- Version Control: Git, GitLab

SOFT SKILLS

- problem-solving and analytical skills
- Communication and interpersonal skills
- Ability to work effectively in a team-based environment
- Ability to learn quickly and adapt to new technologies and environments

EDUCATION

Master DevOps and Cloud Computing: International University of Applied Sciences,
Currently Studying

Bachelor's Degree of Science in Software Engineering, 2020; Makerere University,
Kampala

Certificate in Cloud Computing, 2020; Huawei Technology, Kampala

Advanced Level Certificate, 2015; Uganda Martyrs' Secondary School, Namugongo

Ordinary Level Certificate, 2012; Uganda Martyrs' Secondary School, Namugongo

Primary Leaving Examination, 2008; Green Hill Academy, Kampala

REFEREES

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