

Vanessa Nassanga

Email: nassangavanessa2@gmail.com

LinkedIn: <https://www.linkedin.com/in/vanessa-nassanga-6807222a4/>

GitHub: <https://github.com/Vanessa-79>

Phone: +256785507825

Professional Summary

As a dedicated Software Developer, I focus on creating, developing and managing software applications. With a strong grasp of programming languages and hands-on experience in both front-end and back-end development, I am skilled at solving complex problems with practical solutions. I pay great attention to detail and am committed to producing high-quality work. I am enthusiastic about exploring new technologies and staying updated with the latest trends in the industry. My ability to work well with others and communicate effectively makes me a valuable member of any development team.

Technical Skills

- Python
- Django, React
- PostgreSQL
- CI/CD Pipeline: GitHub Actions
- Cloud Infrastructure: AWS
- Containerization in Docker
- GitHub
- Trello management tool
- UI/UX Design
- Problem-Solving
- Agile Methodologies: Scrum

Soft Skills

- Effective Communication
- Attention to Detail
- Problem-solving
- Collaboration
- Adaptability
- Quick Learner
- Critical Thinking

Experience

Internship at Refactory Academy, September 2024 - December 2024

Refactory Information Management System (RIMS) (Ongoing)

Role: Backend Developer (with occasional role-switching to learn full-stack development)

Description: Collaboratively developing a centralized system to manage Refactory Academy's data. The system replaces scattered Google Sheets with a scalable platform that centralizes data storage, enhances accessibility, and provides real-time information sharing. It supports students, staff, and administrators, allowing for student applications, application tracking and data export functionalities for administrators.

Key Contributions:

- Working closely with front-end and DevOps teams to integrate backend APIs seamlessly.
- Engaging in regular team meetings to brainstorm, review code and address challenges.
- Participating in code refactoring to ensure maintainability and scalability.
- Sharing knowledge during team stand-ups and code reviews, fostering collective growth.

Technologies Used: React (Frontend), Next.js, Prisma (Backend), PostgreSQL (Database), AWS (Cloud Infrastructure), Docker (Containerization), Git & GitHub (Version Control), GitHub Actions (CI/CD).

Expected Deliverables

- Deployed system with custom domain and SSL certificates.
- Refactored codebase for maintainability.
- Tested system with unit, integration, and end-to-end testing.
- Working Student Application module.
- Functionality to export applications to Excel.

Internship at UMCAT School of Journalism and Mass Communication, 2023

Role: *Systems Administrator*

- **Maintaining Computers:** Ensured all computer systems were properly maintained and operational, focusing on both hardware and software troubleshooting.
- **Software Installation:** Installed and updated necessary software, ensuring all systems were up-to-date and secure.

- **Network Administration:** Managed the institution's network, ensuring stable and secure connectivity for all users.
- **Assisting Journalism Interns:** Helped students interning in journalism with Adobe Illustrator, guiding them in designing cards, magazines, and flyers, thereby enhancing their design skills and project outcomes.

Project 1

DayStar Daycare Management System (February 2024 - May 2024)

Description: Developed a comprehensive software system for DayStar Daycare to manage stock, data and overall operations, transitioning them from a paper-based system to a digital solution.

Key Contributions:

- Designed and implemented the system architecture to meet the daycare's specific requirements.
- Developed modules for stock management, data tracking, and operational workflows.
- Ensured data security by integrating secure authentication and access control features.
- Migrated data from paper records to the digital platform, enhancing accuracy and accessibility.

Technologies Used: Python, Django, HTML, CSS, JavaScript, SQL Server.

Github link: https://github.com/Vanessa-79/daystar_management_system.git

Project 2

Uplift for Donations (May 2024 - October 2024)

Description: Developed a collaborative platform to facilitate donations, enabling users to contribute to various causes with ease and security.

Key Achievements:

- **Created Contributors and Donors Forms:** Designed and implemented forms to manage and collect donor and contributor information, ensuring a smooth and user-friendly donation process.
- **Developed 'About Us' page with success Stories:** Crafted the 'About Us' section, highlighting the organization's mission and featuring success stories to inspire and engage potential donors.
- **Streamlined Donation Process:** Enhanced user engagement and contribution rates by optimizing the donation workflow, resulting in a more efficient and accessible platform.

Technologies Used: Python, Django, JavaScript.

Github link: <https://github.com/Vanessa-79/life-changingNew.git>

Project 3

Personal Website Portfolio(June 2024)

Description: Designed and developed a personal portfolio website to showcase projects, skills, and professional background.

Key Achievements:

- **Responsive Design:** Created a fully responsive and visually appealing portfolio website, ensuring optimal user experience across various devices.
- **Interactive UI:** Implemented smooth transitions and interactive elements to enhance user engagement and demonstrate proficiency in modern web technologies.
- Consulted with peers for feedback to refine user experience.

Technologies Used: React JS, JavaScript.

Link: <https://vanessa-myportfolio.vercel.app/>

Project 4

My First Project, HTML & CSS - Bakery Website , 2021

A simple static website created as my first project with HTML & CSS, showcasing a bakery.

Link: https://vanessa-79.github.io/Bakery_website/

Education

- Certificate in Software Engineering, Python Development, Refactory Academy
February 2024 - May 2024
- Bachelor of Science in Information Technology
2020 - 2023
- Uganda Advanced Certificate of Education, K.Garden Groove College
2018 - 2019
- Uganda Certificate of Education, Blessed High School
2014 - 2017

Languages

- English
- Luganda

References

- **Ms. Leoni Rossberg**
Managing Director, Groundbreaker Talents Uganda
Email: leo@groundbreaker.org
Phone: +256 704 965 957
- **Mrs. Esther Nansubuga**
Program Manager, Groundbreaker Talents Uganda
Email: esther@groundbreaker.org
Phone: +256 784 462 913
- **Mr. Jackson Ssenengo**
Program Technical Coach, Refactory Academy
Email: jssenengo@refactory.academy
Phone: +256 756 433 611