Vanessa Nassanga

nassangavanessa2@gmail.com l +256750468584

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

Portfolio: https://vanessa-myportfolio.vercel.app/

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

Professional Summary

Passionate and results-driven Software Developer with expertise in Python, Django, React JS, PostgreSQL, MySQL, HTML, CSS and CI/CD pipelines (GitHub Actions). Skilled in both front-end and back-end development, containerization with Docker and robust software testing. A proactive problem-solver with strong collaboration skills, eager to contribute innovative and scalable software solutions. Result-oriented, highly adaptive, and always ready to learn new technologies to stay ahead in the fast-evolving tech landscape.

Technical Skills

- **Programming Languages**: Python
- **Databases**: PostgreSQL, MySQL
- **Frameworks & Libraries**: Django, React JS, Bootstrap, Tailwind CSS, Jest, Cypress
- **CI/CD**: GitHub Actions
- **Version Control**: GitHub
- **Containerization**: Docker
- **Cloud**: AWS
- **Agile Methodology**: Scrum
- **Microsoft Suite**: Outlook, Word, Excel, PowerPoint
- **Project Management**: Trello
- **CMS:** Wordpress
- **Design Tools**: Figma, Canva, Adobe Illustrator

Soft Skills

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

Professional Experience

Backend Developer Intern

Refactory Academy | *September 2024 - December 2024*
***Technologies**: React js, Nest js, Prisma, PostgreSQL, GitHub Actions, Docker, AWS*

Contributed to the development of **Refactory Information Management System (RIMS)**, a centralized platform for managing and accessing institutional data.
Key Contributions:

- Streamlined user registration and login processes, increasing user activation by 80%.
- Developed and optimized backend APIs to improve response time by 40%.
- Implemented automated CI/CD pipelines using GitHub Actions, reducing deployment errors by 30%.
- Containerized the system with Docker to ensure consistency between development and production environments.

Systems Administrator Intern

UMCAT School of Journalism | 2023

Provided technical support, ensuring smooth operation of the institution's IT infrastructure.
Key Contributions:

- Managed and maintained hardware and software systems, ensuring optimal performance.
- Supported network administration, ensuring secure and stable connections for users.
- Assisted journalism interns with Adobe Illustrator, enhancing their design skills.

Projects Experience

DayStar Day care Management System
Technologies: *Python, Django, HTML, CSS, JavaScript, SQL Server*
[Website Link](#)

A comprehensive system to replace DayStar Day care's paper-based tracking system, improving stock management and operational workflows.
Key Achievements:

- Designed a tailored system architecture that improved data organization by 50%.
- Enhanced security through authentication and access control measures.
- Migrated legacy paper records to a digital platform, reducing data entry errors by 40%.

Ecommerce Website
Technologies: *In Progress (React JS, Tailwind CSS, Django)*
[Website Link](#), [Github Link](#)

A modern fashion retail platform featuring women's nightwear, gym wear and children's clothing with seamless shopping experience and responsive design. The platform is currently under development, with ongoing improvements.
Key Achievements:

- **Digitized Operations**: Migrated legacy paper records to a digital platform, reducing data entry errors by 40%, which streamlined inventory and order management processes.
- **Optimized System Architecture**: Designed a tailored system architecture that improved data organization by 50%, ensuring smoother operations and scalability for the ecommerce platform.

Uplift for Donations

Technologies: *Python, Django, JavaScript*
[GitHub Link](#)

A donation platform to enhance donor engagement and streamline the donation process.
Key Achievements:

- Created user-friendly forms to simplify data collection and improve donation processes.
- Developed an "About Us" page with success stories to increase donor trust and engagement.
- Optimized workflows, resulting in a 30% increase in user contributions.

UKCert Website

Technologies: *React JS, Tailwind CSS, Node js*
[GitHub Link](#)
Developed a modern and responsive website for UKCert, ensuring a seamless and intuitive user experience.
Key Achievements:

- Designed and implemented a visually appealing interface to enhance user engagement.
- Integrated interactive UI components to improve navigation and accessibility.
- Optimized website performance for better responsiveness across devices.

Personal Website Portfolio

Technologies: *React JS, JavaScript*
[Website Link](#)

A responsive portfolio showcasing my projects, skills, and professional background.
Key Achievements:

- Ensured responsive design for optimal user experience on all devices.
- Integrated interactive UI elements to engage users and demonstrate web development expertise.

Bakery Website
Technologies: HTML, CSS
[Website Link]()

A simple static practice website created to practice HTML and CSS, showcasing a bakery's products and services.

Education

- **Advanced Certificate in Software Engineering** - Refactory Academy | September 2024 - December 2024

- **AI Career Essentials, Certificate of Achievement** - ALX | July 2024 - September 2024

- **Certificate in Software Engineering (Python Development)** - Refactory Academy | Feb 2024 - May 2024

- **Bachelor of Science in Information Technology** - Uganda Martyrs University | 2020 - 2023

Languages

- **English (Fluent)**
- **Luganda (Native)**

References

1. **Mrs. Laura Kyongo** | Placement Lead, Groundbreaker Talents Uganda
   Email: laura@groundbreaker.org | Phone: +256 776-762-006

2. **Mrs. Esther Nansubuga** | Program Manager, Groundbreaker Talents Uganda
   Email: esther@groundbreaker.org | Phone: +256 784 462 913

3. **Mr. Jackson Ssenengo** | Program Technical Coach, Refactory Academy
   Email: jssenengo@refactory.academy | Phone: +256 756 433 611