

Vanessa Nassanga

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

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

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

Professional Summary

Results-driven Software Developer with expertise in Python, Django, React.js, PostgreSQL, MySQL, and CI/CD pipelines (GitHub Actions). Skilled in front-end and back-end development, containerization (Docker), and software testing. Strong analytical and problem-solving skills, with a passion for building scalable, secure, and efficient applications. Adept at collaborating in Agile teams and continuously upskilling in emerging technologies.

Technical Skills

- **Programming:** Python
- **Databases:** PostgreSQL, MySQL
- **Frameworks & Libraries:** Django, React.js, Bootstrap, Tailwind CSS, Jest, Cypress
- **CI/CD & DevOps:** GitHub Actions, Docker, AWS
- **Version Control:** Git, GitHub
- **Agile Methodology:** Scrum, Trello
- **Project Management:** Trello, Jira
- **CMS & Design:** WordPress, Figma, Canva, Adobe Illustrator
- **Microsoft Suite:** Outlook, Word, Excel, PowerPoint

Soft Skills

- Effective Communication
- Attention to Detail
- Problem-Solving
- Collaboration & Adaptability
- Quick Learning & Critical Thinking

Professional Experience

Backend Developer Intern | Refactory Academy | Sept 2024 – Dec 2024

Technologies: React.js, Nest.js, Prisma, PostgreSQL, GitHub Actions, Docker, AWS

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

Systems Administrator Intern | UMCAT School of Journalism | 2023

- Managed and maintained IT infrastructure, ensuring 99% system uptime.
- Provided **technical support** for hardware/software, improving operational efficiency.
- Assisted journalism interns with **Adobe Illustrator**, enhancing their design skills.

Projects Completed.

DayStar Daycare Management System | **Technologies:** Python, Django, HTML, CSS, JavaScript, SQL Server

- Built a digital daycare management system, replacing manual record-keeping.
- Improved data organization by 50% and reduced data entry errors by 40%.
- Strengthened system security with authentication and access control measures.

Ecommerce Website (In Progress) | **Technologies:** React.js, Tailwind CSS, Django

- Designed a responsive eCommerce platform for fashion retail.
- Migrated legacy paper records to a digital platform, streamlining order management.
- Improved system scalability and data organization by 50%.

Uplift for Donations | **Technologies:** Python, Django, JavaScript

- Developed a donation management platform to increase donor engagement.
- Created an intuitive UI for simplified data collection and reporting.
- Increased user contributions by 30% through optimized workflows.

UKCert Website | Technologies: React.js, Tailwind CSS, Node.js

- Developed a responsive website for UKCert, improving user engagement.
- Integrated interactive UI components for better navigation and accessibility.

Personal Portfolio | Technologies: React.js, JavaScript

- Showcased skills and projects in a professionally designed portfolio.
- Optimized for mobile responsiveness and cross-browser compatibility.

Bakery Website | Technologies: HTML, CSS

- Created a **static website** to practice front-end development skills.

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 , Luganda

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