Sandra Akech

Email: akesandra659@gmail.com

LinkedIn: https://www.linkedin.com/in/sandra-akech-2a881b286

GitHub: https://github.com/Akech-sandra

Portfolio Website: My portfolio

Phone: +256783469822

Objective:

As a skilled Software Developer, I specialize in designing, developing, and maintaining software applications. With a strong foundation in programming languages and extensive experience in building both front-end and back-end systems, I excel in addressing complex issues with efficient solutions. My attention to detail and robust problem-solving abilities ensure high-quality results. I am passionate about learning new technologies and staying current with industry trends. My collaborative approach and effective communication skills make me a valuable asset to any development team.

Technical Skills

● UI/UX Design

● Version control

● Problem-Solving

● Web Development

Programming Languages:

● Python

● JavaScript

- HTML, CSS

Frameworks & Technologies:

- Django
- WordPress
- React
- Bootstrap
- Figma
- Canva

Database Management:

- SQLite

- PostgreSQL

- MySQL

Version Control:
- GitHub

- Bitbucket

Soft Skills:

- Effective Communication

- Active Listener

- Problem-solving

- Collaboration

- Adaptability

- Critical thinking

- Leadership

Lean and Agile methodologies:

- Scrum

Experience

- **Online Exam Monitoring System:** September 2024 - December 2024
  - **Role:** Full-Stack Developer
  - **Description:** Currently developing an advanced online examination monitoring system to ensure the integrity of remote exams. The system will include real-time proctoring features like image and voice capture, a secure browser to prevent unauthorized resource access and low-bandwidth optimization. It will support automated exam submission for deviations, integrate with platforms like Moodle, and offer real-time analytics for transparent exam monitoring
  - **Technologies Used:** ReactJS (Frontend development), NestJS (API development), Prisma (ORM)

Technical Projects

- **DayStar Daycare Management System:** March 2024 -May 2024
  - **Role:** Full-Stack Developer

  Description: Created a comprehensive system to manage registrations, payments, staff schedules, and procurement management for a daycare
  - **Technologies Used:** Django, Bootstrap, JavaScript, HTML & CSS, and SQLite3
- **Big Art Ug - E-commerce Platform:** June 2024 -September 2024
  - **Role:** Full-Stack Developer
  - **Technologies Used:** Django, Bootstrap, JavaScript, HTML & CSS and SQLite3
  - **Description:** Developed an online marketplace for local artisans to sell their products. Implemented shopping cart functionality, and secure payment processing, focusing on improving product visibility and sales online.
- **Uplift Donor-Recipient System:** May 2024 - Present
  - **Role:** Front-End Developer
  - **Description:** Developed a donation web application to connect donors with recipients, allowing those needing essential items. The application aims to facilitate charitable contributions and ensure that items reach the right individuals efficiently.
  - **Technologies Used:** Django, Bootstrap, JavaScript, HTML & CSS, and SQLite3

- **Cake Website:** February 2024
  - **Role:** Full-Stack Developer
  - **Description:** A beautifully crafted website for a custom cake business, featuring a responsive design, online ordering system, and gallery showcasing their cake creations.
  - **Technologies Used:** WordPress

- **Portfolio Website:** August 2024
  - **Role:** Full-Stack Developer
  - **Description:** Built a portfolio website to showcase my projects, skills, and achievements, featuring a responsive design with smooth animations, interactive navigation, and sections about me, projects, and contact info.
  - **Technologies Used:** Bootstrap, JavaScript, HTML & CSS

Education

- Certificate in Python Development, Refactory Academy Feb 2024 - May 2024

- Advanced Certificate of Software Engineering, Refactory Academy June 2024 - Dec 2024
- Uganda Advanced Certificate of Education, St. Peter's Senior Secondary School Nsambya 2018 - 2019
- Uganda Certificate of Education, Oxford Muslim High School Kawempe 2017

Languages

- English (Fluent)
- Luganda (Conversational)
- Luo (Native)

References

1. Ms. Dorothy Oyella

Placements Lead, Refactory Academy Uganda

doyella@refactory.academy

+256772122523

2. Ms. Esther Nansubuga

Program Manager, Groundbreaker Talents Uganda

esther@groundbreaker.org

+256784462913