Sandra Akech

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

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

Portfolio Website: [My Portfolio](#)

Location: Kampala, Central Uganda.

Professional Summary

Innovative and results-oriented Software Developer with expertise in full-stack development, combining strong problem-solving abilities with a passion for building efficient, scalable software solutions. Skilled in both front-end and back-end development, I specialize in creating intuitive user interfaces and optimizing system performance. My experience spans a variety of technologies, including Python, JavaScript, Django, and React, and I thrive in agile environments that promote collaboration and continuous learning. Dedicated to delivering high-quality, user-centric products, I am committed to staying ahead of industry trends and applying new technologies to solve complex challenges.

Technical Skills

Programming Languages: Python, JavaScript, HTML, CSS
Frameworks & Libraries: Django, React, Bootstrap, WordPress
Database Management: SQLite, PostgreSQL, MySQL
Version Control: GitHub, Bitbucket
Design & Prototyping: Figma, Canva
Methodologies: Scrum, Agile
Soft Skills: Problem-solving, Communication, Team Collaboration, Adaptability, Leadership, Critical Thinking

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Professional Experience

Full-Stack Developer

Online Exam Monitoring System | Sept 2024 - Dec 2024

Technologies: ReactJS, NestJS, Prisma ORM

- Developed an advanced online exam monitoring system with real-time proctoring, secure browser features, and low-bandwidth optimization.
- Integrated automated exam submission and real-time analytics for transparent exam monitoring.

Full-Stack Developer

DayStar Daycare Management System | Mar 2024 - May 2024

Technologies: *Django, Bootstrap, JavaScript, SQLite3*

- Built a comprehensive management system for daycare registration, payments, staff schedules, and procurement.
- Enhanced user experience through responsive design and efficient back-end processes.

Full-Stack Developer

Big Art Ug - E-commerce Platform | Jun 2024 - Sept 2024

Technologies: *Django, Bootstrap, JavaScript, SQLite3*

- Developed an e-commerce platform for local artisans, implementing secure payment systems and a seamless shopping cart experience.
- Focused on improving product visibility and sales through intuitive design and robust functionality.

Front-End Developer

Uplift Donor-Recipient System | May 2024 – Present

Technologies: *Django, Bootstrap, JavaScript, SQLite3*

- Created a donation web app to connect donors and recipients efficiently, with a focus on streamlined UI/UX design.

Full-Stack Developer

Cake Website | Feb 2024

Technologies: **WordPress**

- Designed and developed an aesthetically appealing and responsive website for a custom cake business with an integrated online ordering system.

Full-Stack Developer

Portfolio Website | Aug 2024

Technologies: *Bootstrap, JavaScript, HTML, CSS*

- Built a dynamic portfolio website to showcase my skills, projects, and achievements, featuring smooth animations and interactive navigation.

Education

- **Bachelor's Degree in Information Systems** | Kyambogo University | April 2021- Dec 2023
- **Certificate in Python Development** | Refactory Academy | Feb 2024 - May 2024

- **Advanced Certificate in Software Engineering** | Refactory Academy | June 2024 - Dec 2024

Languages

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

References

1. **Joan Twinomugyisha**
   Talent Management Officer, Refactory Academy
   Email: jtwinomugyisha@refactory.academy | Phone: +256 705 959 119

2. **Laura Kyongo**
   Partnerships & Placement Lead, Groundbreaker Talents Uganda
   Email: laura@groundbreaker.org | Phone: +256 776 762 006

3. **Amai Clovis Job**
   IT Administrator, Clarke International University
   Email: camai@ciu.ac.ug | Phone: +256 789 530 574