Mitchelle Anduru

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github

Full-Stack Software Engineer | Digital Forensics & Cybersecurity Enthusiast

Design-led Full-Stack Engineer passionate about building intuitive, secure, and scalable digital products. Skilled across frontend, backend, and cloud technologies with a strong foundation in UI/UX, system design, and digital forensics. I build with intention, clean architecture, human-centered design, and purposeful innovation.

Dedicated to empowering users through inclusive technology and continuous learning, blending engineering excellence with empathy, security, and creativity.

WORK EXPERIENCE

Vision Fund Rwanda – Software Developer (Intern)

Kigali, Rwanda | April 2025 – July 2025

- Developed and deployed a full-stack Inventory Management System, improving asset tracking efficiency.
- Migrated backend architecture from MongoDB to MySQL, optimizing database performance and query speed.
- Designed secure authentication and user access controls using Node.js, Express.js, RBAC and JWT.
- Built intuitive, mobile-responsive frontend interfaces using React and Tailwind CSS.
- Led development of a Payroll Management System automating salary, tax, and deduction workflows.
- Provided IT support for hardware configuration and internal system setup

Spider Bit – Web Developer & Design (Intern)

Kigali, Rwanda | October 2024 – December 2024

- Built and maintained responsive websites aligned with modern UI/UX standards.
- Collaborated with product teams to deliver user-first features and micro-interactions.
- Conducted iterative usability testing to drive continuous improvement and user satisfaction.

SOMTO (Karoline Aadland's Minnestiftelse) – Technology Volunteer | Digital Inclusion Projects
Kenya | June 2023 – June 2024
- Facilitated coding workshops for underrepresented youth in Kibra, introducing girls to HTML, CSS, and JavaScript.
- Led a website redesign to improve **mobile responsiveness** and **accessibility** for community programs.
- Coordinated a multi-stakeholder community health outreach initiative, showcasing project leadership.

EDUCATION

BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING

Adventist University of Central Africa (AUCA) | Kigali, Rwanda | 01/2022 - 12/2026
- Focus: Software Development, Data Structures, Cloud Computing, Agile Practices
- Tools: Git, OOP, Java, Python, Mobile & Web App Development, Systems Design, Databases

CMU Africa – Pre-University Bridge Program (Engineering Track)

Carnegie Mellon University | 06/10/2025 – 14/11/2025
- Applied engineering concepts using **TinyML, Arduino, embedded systems**, and real-time IoT prototyping.
- Developed machine learning solutions optimized for low-power microcontrollers.
- Strengthened problem-solving, engineering design, and computational thinking.

CERTIFICATIONS

Cybersecurity | 03/11/2025 – on going
Moringa School
Product Design (UI/UX) | 07/2025 - 01/2026
Moringa School
Computer Networking Essentials | 01/2024 - 04/2024
CISCO
AWS Certified Cloud Practitioner (Gamer Version) | 06/2023 - 08/2023
AWS

SKILLS

- **Languages & Frameworks:** JavaScript (ES6+), TypeScript, Java, Python, HTML5, CSS3
- **Frontend:** React.js, Next.js, Tailwind CSS, Responsive Design, UI/UX Principles
- **Backend & Databases:** Node.js, Express.js, Prisma ORM, FastAPI, MySQL, MongoDB, REST APIs, SQL Design

- **Cloud & DevOps:** AWS (Cloud Practitioner), CI/CD, Docker, Git & GitHub, Linux, Containers
- **UX/UI Design**: Figma, Wireframes, Prototyping, Usability Testing, Accessibility & Inclusive Design
- **Soft Skills:** Adaptability, Collaboration, Communication, Critical Thinking, Empathy
- **Tools & Technologies:** Postman, VS Code, Jira, Arduino, TinyML, Python ML Libraries

REFERENCE

Name: Clair Wanjiku

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Email Address: wanjikuclair83@gmail.com

Title: Strategic Marketing

Name: Brenda Wachira

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Title: Director and Product manager