MITCHELLE ANDURU

Kenya / Rwanda (Open to Remote & Relocation)
+254790877089
andurumitchelleanyango@gmail.com
[github](#) | [Portfolio](#) | [LinkedIn](#)

Full-Stack Software Engineer | Security-First Systems | Audibility & Access Control

Full-stack software engineer with a design-led approach to building intuitive, secure, and scalable digital products. Experienced across frontend and backend development with a strong foundation in UI/UX and system design, plus exposure to Docker and CI/CD workflows. Committed to building inclusive, user-centered technology. Developing a cybersecurity- and governance-informed engineering mindset prioritizing access control, reliability, and traceability in real-world applications.

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:** 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

WORK EXPERIENCE

Vision Fund Rwanda – Software Developer (Intern)
Kigali, Rwanda | April 2025 – July 2025

- Built a full-stack **Inventory Management System** (React, Node.js/Express, MySQL) to centralize asset records and improve tracking workflows.
- Migrated backend architecture from **MongoDB to MySQL**, redesigning schemas and queries to improve maintainability and performance.
- Implemented **JWT authentication + RBAC authorization**, defining roles/permissions and securing sensitive routes and data access.
- Developed mobile-responsive UI screens using **React + Tailwind CSS**, improving usability for staff across devices.

- Led development(backend) of a **Payroll Management System**, automating salary computation and payroll record workflows with validation and structured data handling.
- Supported internal IT setup (hardware configuration and system setup) for operational continuity.

Spider Bit – Web Developer & Design (Intern)
Kigali, Rwanda | October 2024 – December 2024

- Built and maintained responsive websites aligned with UI/UX standards and accessibility basics.
- Collaborated with teams to implement user-first features and interface improvements.
- Conducted usability testing and iterated interfaces based on feedback.

SOMTO (Karoline Aadland's Minnestiftelse) – Technology Volunteer | Digital Inclusion Projects
Kenya | June 2023 – June 2024

- Delivered beginner coding workshops for underrepresented youth (HTML, CSS, JavaScript), with targeted engagement of girls.
- Redesigned a community program website to improve mobile responsiveness and accessibility.
- Coordinated a multi-stakeholder outreach initiative supporting execution and participation.

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
- **Architecture & Delivery Exposure:** modular vs monolithic, separation of concerns, system-level thinking across frontend/backend/APIs/DB; Docker (hands-on), CI/CD (foundational).

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.

Cybersecurity
Moringa school | 03/11/2025 – In Progress

- 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

REFERENCE

Name: Clair Wanjiku

Phone Number: +254 705 300162

Email Address: wanjikuclair83@gmail.com

Title: Strategic Marketing

Name: Mwiseneza Honore

Phone Number: +250 781 549 903

Email Address: hmwiseneza@gmail.com

Title: Database Administrator &
          Managing Director of H&B Linkers LTD

Name: Brenda Wachira

Phone Number: +254 705 630217

Email Address: wachirabrenda981@gmail.com

Title: Director and Product manager

Name: Placide TWIRINGIYIMANA

Phone Number: +250 788 347 864

Email Address: placide_twiringiyimana@visionfund.org

Title: Data and reporting analyst