

Andrew Mukabi. Ambuka

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EDUCATION

The Presbyterian University of East Africa – Kikuyu, Kenya

Bachelor of Science in Computer Science

Graduated Dec 2024

- *Second Class Honours, Upper Division*

Moringa School – Nairobi, Kenya

Graduated July 2025

Software Engineering

- *Focus: Web & Mobile Development*

WORK EXPERIENCE

SokoFresh – Software Engineer Intern

Nairobi | Mar 2025 – Present

- Built and maintained over **15 RESTful API endpoints** using **FastAPI**, **SQLModel**, and **PostgreSQL**, enabling CRUD operations across 6 core business modules
- Increased backend **test coverage from 0% to 85%** through unit and integration tests using **pytest**, integrated into CI/CD pipelines with **GitHub Actions** and **Docker Compose**
- Implemented secure **authentication and role-based access control (RBAC)** for multiple user types, enhancing system security and compliance

Milimani Law Courts – IT Network Support Intern

Nairobi | May 2024 – Aug 2024

- Configured 100+ new PCs and installed secure OS environments
- Resolved 15+ critical network issues, boosting system uptime

PROJECTS

Gym Systems App (<https://gyym.netlify.app>)

A web app I worked on that helps gym owners, trainers, and members manage fitness routines and schedules. It features different user roles (Admin, Trainer, Member), a dashboard, workout management, and class scheduling. I used React.js for the frontend, Flask for the backend, PostgreSQL for the database, and JWT for session management. The app is hosted on Netlify, Render, and Supabase.

TECHNICAL SKILLS

- **Programming:** Python, Java, JavaScript, HTML/CSS, PHP, C++
- **Tools:** Android Studio, IntelliJ, PyCharm, Eclipse, Git, Bootstrap, Spring Boot, APIs, Jira, Docker, Kubernetes
- **AgileFrameworks/ Libraries:** React js, Next js, Node js, Flask, FastAPI
- **Databases:** MongoDB, PostgreSQL, SQL

LEADERSHIP

Battleship Group Project (Moringa School). Led a team of six developers in designing and developing a Battleship game as part of Moringa School's project-based learning. Facilitated Agile ceremonies, including sprint planning, stand-ups, and retrospectives, ensuring efficient collaboration and progress tracking

CERTIFICATIONS

- **LFS250: Kubernetes and Cloud Native Essentials – CNCF / Linux Foundation / Andela**
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