

Nils Akonkwa Lwambwa

Software Engineer

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PROFESSIONAL SUMMARY

Final-year Software Engineering student who designs, builds, and ships full-stack and mobile products end-to-end — including a live App Store application built and deployed solo. Comfortable across React, React Native, and Python, with a focus on turning ideas into working, real-world software rather than coursework exercises.

PROJECTS

Eventas — Live Events Discovery App (App Store Live) | *React Native, Firebase, Google Maps API, Expo, ...*

[Live App / Website](#)

- Designed and built a live, App Store–published iOS application solo end-to-end, helping users discover real-time events across Nairobi through an interactive attendance heatmap covering 50+ venues.
- Implemented location-aware features including in-venue chat and location-gated "stories," allowing users to post content only when physically present at a listed venue.
- Built a battery-conscious location tracking system that updates the attendance heatmap on significant movement events rather than continuous polling, balancing real-time accuracy with device battery life.
- Architected the backend on Firebase to support real-time chat, location data, and venue attendance at scale.

AI-Powered Hairstyle Try-On Application | *React, Python, Stable Diffusion*

[Source Code](#)

- Built a full-stack web application that lets users upload a selfie and preview themselves with a selected new hairstyle, generated using a Stable Diffusion based image pipeline.
- Developed a Python backend to serve the diffusion model and process image generation requests, paired with a React frontend for image upload and result rendering.
- Handled end-to-end image processing challenges including face/hair region handling to keep generated results realistic and consistent with the source photo.

FocusLearn | *React, Python, Ollama3*

[Source Code](#)

- A learning companion that combines task management, adaptive study aids, and focus-friendly reminders to support ADHD students in navigating academic life more effectively.

EDUCATION

United States International University – Africa (USIU-A)

Bachelor of Science in Software Engineering

Nairobi, Kenya

Expected Graduation: 2027

TECHNICAL SKILLS

Languages: JavaScript/TypeScript, Python, Java, SQL, HTML/CSS

Frameworks & Libraries: React, React Native, Node.js, Expo

Platforms & Tools: Firebase, Git/GitHub, Docker, REST APIs, AWS (basics)

Other: Stable Diffusion / image-generation pipelines, mobile app deployment (App Store and Android)