

Courtney Fradreck Taga

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PROFILE

Software Engineering student with a track record of winning FinTech hackathons and leading developer communities. Proficient in React Native, TypeScript, and full-stack development, seeking to apply mobile and cloud expertise during an industrial attachment (Aug 2026 – Jun 2027). Motivated, hands-on, and eager to contribute through practical problem solving.

EDUCATION

Africa University Mutare, Zimbabwe
Bachelor of Science (Honours) in Software Engineering Aug. 2023 – Present

EXPERIENCE & LEADERSHIP

Tech Lead – Google Developer Group (GDG) on Campus Feb. 2025 – Present
Africa University Mutare, Zimbabwe

- Lead practical coding workshops and developer community events for students.
- Mentor junior students in mobile and web development, supporting 30+ students through technical sessions.
- Coordinate hackathons and technical outreach programs to foster a local developer ecosystem.

Founder & CEO – Proxyon Technologies Apr. 2025 – Present
i5Hub Innovation Hub Mutare, Zimbabwe

- Founder and CEO of a student-led startup incubated under Africa University’s Innovation Hub.
- Lead product strategy, system design, and software development for AgriLease and related solutions.
- Conduct pitching, product demonstrations, and stakeholder engagement activities with industry mentors.

Lead Developer – AgriLease Platform May 2025 – Present
Startup Project

- Lead developer responsible for mobile architecture, Firebase backend design, and release workflows.
- Collaborate with mentors and stakeholders to refine product features for farmers and equipment owners.

PROJECTS

AgriLease – Agricultural Equipment Leasing Platform | *React Native, Expo, Firebase* May 2025 – Present

- Established a **CI/CD pipeline** using GitHub Actions to automate Expo validation and secure secret injection.
- Designed Firestore data models and composite indexes to support **real-time availability** and cost-efficiency.
- Built an **offline-first booking workflow** using Firestore persistence for rural, low-connectivity environments.
- Implemented **Role-Based Access Control (RBAC)** with Firebase Auth and custom Security Rules.
- Developed a multi-dimensional pricing engine with **conflict resolution** to prevent overlapping bookings.
- Integrated GPS discovery using **geohashing** for proximity-based high-performance equipment search.
- Won **1st Place** in the Nov 2025 Hackathon and exhibited at the Harare Agricultural Show.

NextPay – Peer-to-Peer Money Transfer App | *React Native, TypeScript, Firebase* Mar. 2025 – Apr. 2025

- Won **1st Place** in the FinTech Hackathon held in partnership with ZB Financial Holdings.
- Implemented secure authentication and transaction validation flows to ensure financial integrity.
- Selected for the **ZB Innovation Hub** to refine the prototype in a production-ready Sandbox environment.

Campus Access – Smart Student Identification | *React Native, Supabase, Face API* Sept. 2025 – Nov. 2025

- Developed frontend and backend for a secure campus access control system using facial recognition.
- Designed a Supabase-backed database to securely manage student records and real-time verification APIs.

Ideas – Lightweight Social Platform | *PHP, Laravel, MySQL* 2023

- Implemented Laravel MVC architecture, authentication, and relational database logic for a social platform.
- Built core features including posting, liking, and commenting as a full-stack learning project.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, SQL, PHP, C#, HTML/CSS

Frontend/Mobile: React Native, Expo, React.js, Tailwind CSS

Backend/BaaS: Firebase (Auth, Firestore, Functions), Supabase, MySQL

Tools/DevOps: Git, GitHub Actions, Vite, Netlify CMS, Eleventy, Linux/Terminal

Soft Skills: Problem Solving, Technical Communication, Leadership, Adaptability

AVAILABILITY

Available for industrial attachment/internship starting **May 2026** (following the end of the semester on 25 April) through June 2027, fulfilling the minimum 8-month requirement for the BSc Software Engineering program.