

Thabani Musabayeka Takwena

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FULL-STACK DEVELOPER - AI & WEB TECHNOLOGY ENTHUSIAST

Passionate full-stack developer with expertise in **JavaScript, TypeScript**, and modern web frameworks such as **React.js** and **Next.js**. Experienced in building web and mobile applications. Strong focus on AI-powered solutions and SaaS development.

TECHNICAL SKILLS

Core Languages: JavaScript, TypeScript, C#, HTML, CSS

Frameworks: Next.js, React.js, Expo (React Native), Tailwind CSS, Daisy UI

Backend & Database: Firebase, Clerk Auth, Node.js, Database & API Design

Development Tools: Git, GitHub, Postman

EXPERIENCE

Full-stack Developer (Freelancing)

Sep 2024 – present

Hamba Nathi Training Centre

- Developed a custom **Information Management System** for student enrollments, user management with role-based access control, project-management and programmes management.
- Initially developed using **Laravel** framework for the backend and react.js (inertia.js) for the frontend.
- Sole developer responsible for system architecture, database design, and authentication.

PROJECTS

AmbiGoal – AI-Powered Goal-Setting App [🔗](#)

Mar 2025

- Built a mobile-first application that helps users break down goals into actionable steps.
- Uses **SWOT & SMART frameworks** to refine and structure goals.
- AI-generated task management system for structured execution.
- Tech Stack: **Expo (React Native)**, **Firebase**, **Gemini AI**, Google Cloud APIs.

SymbioLearn - AI-powered Learning Platform [🔗](#)

Jun 2024

- Developed an AI-driven platform that enhances student engagement with study materials.
- Started as a **final-year IT project**, later evolved into a SaaS product.
- Features AI-powered document chat, quiz generation, notes generation, summary generation and personalized study plans.
- Tech Stack: **Next.js**, **React.js**, **Firebase**, Pinecone, LangChain, **Gemini AI**, Clerk Auth.

CERTIFICATIONS

- Foundational C# with Microsoft (2024) [🔗](#)
- Winner, Richfield Hackathon – Stock Market Tracking & Prediction System (2023)
- Certificate of Achievement, Richfield Hackathon – Backend Team Lead (2022)

EDUCATION

BSc in Information Technology (Software Development)

2024 | Centurion, South Africa

Richfield Graduate Institute of Technology [↗](#)

Graduated with a **cum laude** achievement