

Sanele Hlongwane

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Portfolio: <https://sanele-hlongwane.vercel.app>

Profile Summary

Aspiring Software Developer with a strong passion for building impactful digital solutions. Skilled in creating scalable, user-friendly web applications and mobile apps with a keen focus on modern front-end and back-end technologies. Proven experience in designing and implementing authentication systems, interactive UI components, and data management solutions. Driven by a desire to leverage technology to foster innovation, with experience in diverse projects ranging from investment platforms to eco-conscious mobile applications. Known for a collaborative spirit, attention to detail, and commitment to continuous learning in the fast-evolving tech industry.

Technical Skills

- **Languages:** JavaScript, TypeScript, C#, Python, SQL, PHP
- **Frontend:** HTML, CSS, Tailwind CSS, React, React Native
- **Backend & Frameworks:** Next.js, ASP.NET, Prisma, WPF, Windows Forms
- **Database Management:** Prisma, SQL, NoSQL, Firebase
- **Authentication:** Clerk integration
- **Tools & Platforms:** Git, GitHub, VS Code, NEON, Agile methodology
- **Design & UI/UX:** Responsive Design, Tailwind CSS, NextUI, User Interface Design
- **Other Skills:** API Integration, CRUD Operations, Authentication Systems, Error Handling, TypeScript Definitions, Type Safety

Professional Experience

Eagles Ring [<https://eaglesring.vercel.app>]

Investment Platform Developer

South Africa (Date - Present)

- **Project Overview:** Conceptualized and developed Eagles Ring, a web-based investment platform that connects entrepreneurs with investors, enabling business pitching in a virtual space designed to attract real-world investment.
- **Role Assignment and User Authentication:** Integrated **Clerk** for user authentication and role-based access control, allowing users to register, sign in, and select between Investor and Entrepreneur roles with persistence across devices.
- **Frontend Development:** Leveraged **Next.js** and **TypeScript** to build responsive, reusable components. Designed engaging and intuitive user interfaces using **Tailwind CSS**, ensuring a consistent look and feel across all pages.
- **Profile Management:** Built detailed Entrepreneur and Investor profile pages using **Prisma** and **Supabase**, allowing users to view, edit, and manage role-specific details. Incorporated role-based CRUD functionality to ensure secure data handling.
- **Interactive Features:** Developed unique components such as a flipping interactive card in the Pricing page, and implemented **Toastify notifications** for real-time user feedback on actions like form submission and role assignment.
- **Data Security and Error Handling:** Used **TypeScript** for type safety, minimizing runtime errors and ensuring reliable code. Implemented robust error handling to enhance user experience and maintain platform stability.

Eco-Tracker

Mobile App Developer

South Africa (July 2023 - November 2023)

- **Project Overview:** Designed and developed Eco-Tracker, a mobile application encouraging sustainable habits by tracking user behavior and providing eco-friendly tips.
- **Cross-Platform Development:** Built the app using **React Native**, enabling seamless functionality on both iOS and Android devices.
- **Backend Integration:** Integrated **Firebase** for user authentication, real-time data sync, and storage. Built a responsive backend to support user progress tracking and eco-tip recommendations.
- **Gamification & Engagement:** Created an intuitive user interface with personalized eco-friendly suggestions and gamification elements, which improved user engagement and retention.
- **Data Collection & Analysis:** Developed features to track eco-friendly activities, collecting valuable user data for analysis and feedback on sustainable behaviors.

Thrivementor

Web Developer

South Africa (March 2023 - June 2023)

- **Project Overview:** Developed Thrivementor, a lifestyle coaching website to connect users with tailored mentoring resources.
- **Frontend Development:** Designed and implemented responsive web pages using **HTML, CSS, and JavaScript**, ensuring compatibility across various devices and screen sizes.
- **Backend Development:** Built the backend using **PHP**, handling data storage and retrieval through **MySQL** databases to manage client data and sessions.
- **User Interface Design:** Created a clean, intuitive UI that enhances user experience by simplifying access to mentoring resources and content. Used CSS for custom styling, focusing on a cohesive color scheme and typography that aligns with the brand's tone.
- **Form Handling & Session Management:** Implemented forms with **PHP** and **JavaScript validation**, allowing secure data entry and session handling for logged-in users, coaches, and mentors.
- **Client Collaboration:** Worked closely with lifestyle coaches to develop a CMS for uploading and managing content, making it easy to update resources and mentoring sessions.

Education

Diploma in Business Information Technology

University of Johannesburg

Year of Graduation: 2025

Bachelors degree qualification

Hoye Secondary School

Year of Gratuation: 2020

Projects

Expense-Tracker-NextJS

- Developed a Next.js application to help users track their expenses with an easy-to-use interface.

- Created a dual-theme feature using NextUI, allowing users to toggle between light and dark modes for better accessibility and user comfort.
- Integrated Prisma as the data layer for efficient tracking and categorization of expenses, ensuring secure data management.
- Enhanced visual appeal and consistency with Tailwind CSS, improving overall user experience and application flow.

Achievements

- Third position Award in Software Development - [University of Johannesburg, 2023]
- Recognized by University of Johannesburg for outstanding performance in Web Development and Database Management courses.
- Successfully completed multiple projects including Eco-Tracker, Thrive-mentor and Eagles-Ring, showcasing strong problem-solving skills and an ability to work on both frontend and backend tasks.

References

Available upon request.