SPHESIHLE INNOCENT MLANZI

AI Full-Stack Developer

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PROFESSIONAL SUMMARY

AI Full-Stack Developer with hands-on experience building intelligent, scalable web and mobile applications using modern full-stack technologies and AI-assisted development workflows. I have collaborated on real-world projects such as CareerDash and BrainBox AI, contributing across development, testing, and deployment. With a background in graphic design and 3D artistry, I bring strong user-centric thinking into software engineering. My focus is on clean code, scalable architecture, performance, and practical AI integration to deliver production-ready systems that solve real-world problems.

WORK EXPERIENCE

AI Full-Stack Developer

Culture Creative • November 2024 – Present

Collaborated on the development of the CareerDash and BrainBox AI web applications, improving usability and system performance. Applied AI-assisted development techniques to translate requirements into efficient, production-ready implementations. Worked within a fast-paced startup environment, contributing across the full stack to scalable digital solutions.

Graphic Designer / 3D Artist

Pestro Projects • March 2022 – April 2024

Produced high-quality 2D and 3D visual content for branding, marketing, and digital campaigns. Collaborated with cross-functional teams to deliver client-focused creative solutions on time. Strengthened brand identity and online presence through visual storytelling and animation.

FEATURED PROJECT

UniConnect — AI-Powered University Application Platform

AI Full-Stack Developer

- Led the design and implementation of a cross-platform university application system for South African Grade 12 students.

- Built Flutter-based mobile frontend and designed backend architecture for structured application data.

- Designed relational data models (PostgreSQL-style schemas) with a focus on data integrity and scalability.

- Implemented automated form standardization, data extraction, and application workflows.

TECHNICAL SKILLS

- **AI & Development:** AI-assisted development, prompt engineering, AI integration, AI workflow automation
- **Back-End Development:** API development (REST & GraphQL), Node.js, authentication/authorization, Database design and relational data modeling (PostgreSQL-style)
- **Front-End Development:** Modern UI development with React and Next.js (App Router), Flutter mobile development, responsive design, state management, performance optimization
- **Programming Languages:** JavaScript (ES6+), TypeScript, Dart
- **DevOps & Tools:** Git & GitHub, VS Code, Cursor, Docker, cloud deployment (Vercel/AWS), CI/CD pipelines, Supabase, Firebase

EDUCATION

Bachelor of Commerce in Accounting

University of Johannesburg • 2019 – 2021

National Senior Certificate

Sakhelwe High School • 2010 – 2016

CERTIFICATIONS

- Become an AI Engineer - LinkedIn Learning
- Career Essentials in GitHub - GitHub & LinkedIn
- Docker Foundations - Docker & LinkedIn
- Microsoft Azure AI Essentials - Microsoft & LinkedIn

LANGUAGES

English: Professional proficiency | isiZulu: Native

PROFESSIONAL COMPETENCIES

Problem-solving and analytical thinking • Strong communication and documentation skills • Agile and iterative development methodology • Quick learner with ability to adapt to emerging technologies • User-centric design thinking

REFERENCES

Available upon request