

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

- Worked across frontend, backend, and database layers on internal web applications including CareerDash and BrainBox AI.
- Implemented and improved REST APIs, data handling logic, and UI components using TypeScript, React, and Node.js.
- Debugged production issues, improved system reliability, and contributed to iterative feature improvements.
- Used AI-assisted development tools to speed up debugging, testing, and documentation while maintaining code quality.
- Collaborated with designers and developers in a fast-paced, remote-first environment.

Graphic Designer / 3D Artist

Pestro Projects • March 2022 – April 2024

- Created 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 schedule.
- Strengthened brand identity and digital 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

- **Languages:** TypeScript, JavaScript (ES6+), Dart
- **Frontend:** Flutter, React, Next.js, HTML, CSS, responsive UI development
- **Backend:** Node.js, Express-style APIs, REST APIs, authentication & authorization
- **Databases:** PostgreSQL (schema design, relational modeling), Supabase
- **DevOps & Tools:** Git & GitHub, Docker, CI/CD pipelines, Vercel, AWS (basic), Firebase
- **AI-Assisted Development:** Prompt engineering, AI-assisted debugging, testing, and documentation

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

References available upon request