SPHESIHLE INNOCENT MLANZI

AI Full-Stack Developer

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PROFESSIONAL SUMMARY

AI Full-Stack Developer specializing in building intelligent, scalable web and mobile applications using modern full-stack technologies and AI-assisted development workflows. With a background in graphic design and 3D artistry, I bring strong user-centric thinking into software engineering. I have hands-on experience collaborating on real-world projects such as CareerDash and BrainBox AI, contributing across development, testing, and deployment. 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 end-to-end development of a cross-platform university application system for Grade 12 students. Built Flutter-based mobile frontend and backend architecture with AI-assisted workflows. Implemented automated form standardization, data extraction, and application orchestration.

TECHNICAL SKILLS

AI & Development Tools: AI-assisted development, prompt engineering, AI integration, AI workflow automation

Back-End Development: API development (REST & GraphQL), server-side development, Node.js, database design, authentication/authorization

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), CI/CD pipelines

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