NQOBILE HLONGWANE

SOFTWARE ENGINEER

LinkedIn

PROFILE

Driven and solutions-oriented software engineer with hands-on experience in full-stack development, specialising in PHP, MySQL, JavaScript, and related technologies. Passionate about leveraging code to solve real-world problems and create meaningful digital solutions.

WORK EXPERIENCE

Software Developer

Investhood IT

Jan 2024–Nov 2024

- Designed and developed web applications with database integration.
- Conducted testing, debugging, and troubleshooting for system stability.
- Collaborated with cross-functional teams for system stability to ensure efficient project delivery

CCTV Surveillance

Department of Health

Dec2024–May2025

- Monitored and analysed system data for reporting purposes
- Documented incidents and produced detailed logs for operational improvement

Volunteer AI Engineer

Netcampus Group

May 2025 - Aug 2025

- Applied Python and AI frameworks to build and test models for Machine Learning and NLP projects

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WORK EXPERIENCE CONTINUED

- Worked with data preprocessing, cleaning, and feature engineering to prepare datasets for AI solutions
- Assisted in implementing cloud-based AI services(Microsoft Azure AI).

QUALIFICATIONS

Software Engineering training
tma.Soft Skills training
Sept 2025 - Present

Microsoft
- Microsoft Azure AI Fundamentals | May 2025
- Microsoft Azure AI Engineer Associate | May 2025 - May 2026
- Microsoft AI Fluency

IBM
- Python 101 for Data Science | Jul 2024
- Machine Learning with Python | Jul 2024

Tshwane University of Technology
National Diploma Information Technology (Software Development)
Oct 2024

Mabande Comprehensive High School
National Senior Certificate (Matric)
2018

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SOFT SKILLS

- Leadership skills
- Communication skills
- Attention to detail
- Problem-solving skills
- Organisation and time management skills

TECHNICAL SKILLS

- Programming: Python, SQL/MySQL, React, JavaScript, Node.js, HTML, CSS
- AI/ML: Machine Learning, NLP, Computer Vision, Neural Networks, Responsible AI
- Tools: Git, Azure AI Services, Bash, Linux, Figma, Git, GitHub

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PROJECTS

Community Learning Management System -2025

- Created a Secure registration and log for learners, teachers, and admins,
- Role-based dashboards and navigation,
- Group and assignment management,
- File uploads and downloads,

Web-Based IDE - 2025

- Three-pane code editor with separate areas for HTML, CSS, and JS
- Real-time preview of your project in an embedded iframe
- File management: create, save, load, and delete projects locally
- Simple, responsive UI optimised for both beginners and experienced developers

Custom Portfolio Website - 2025

Showcasing my work - The projects I have worked on, skills I have acquired in the journey of software development, education details, and experience in the IT field. I have used HTML for content, CSS for design and page layout, and JavaScript for toggling between pages.