

Ntando Masangu

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Professional Summary

I am an emerging Software Developer and IT professional with hands-on experience in Microsoft PowerApps, web technologies (HTML, CSS, MySQL, Java), object-oriented design and digital design. I have strong problem-solving, UI/UX awareness, and ability to quickly learn new technologies. I am eager to apply problem solving skills in algorithms and data structures to contribute to an innovative technology ecosystem. Seeking a junior software development, software engineering or data analysis role to apply academic learning and grow technical expertise.

Experience

Work Integrated Learning (WIL) | Barloworld Equipment (Isando)

AUG 2025 - SEP 2025

- Developed a digital timesheet using Microsoft PowerApps and PowerAutomate for contractors.
- Gained exposure to UI logic, form creation, and basic automation.
- Collaborated with developers, business analysts and QA testers to understand system requirements.

Education

Diploma in Information Technology | Richfield Graduate Institute of Technology

FEB 2023 - DEC 2025 (Certificate expected May 2026)

- 4 Distinctions (Management Information Systems, Operating Systems, WIL, IT Project).
- Developed a smart travel mobile app with a team, using React Native.
- Object-Oriented Programming, Database Systems (Relational Databases), Web Development, Algorithms and Data Structures

National Senior Certificate (Diploma Pass) | Edenglen High School

JAN 2018 - DEC 2022

- 1 Distinction
- Representative Council of Learners [RCL, 2019] (Maintaining organization within the class by communicating school announcements, managing class diary and order within the class)

Projects

Website Portfolio (Pending) | Personal, 2026

- A responsive personal portfolio website to highlight technical skills and projects. Implemented mobile friendly design using CSS flexbox, basic navigation and sections.
- Used React.js, HTML, CSS and Javascript.

Smart Travel Mobile App | Collaborative Group School Project, 2025

- Co-developed an android mobile application using React Native (With Expo/ExpoGO), enabling users to discover destinations and answer a questionnaire for a more personalized selection. Also implemented free API integrations for a smoother workflow.
- Used ReactNative.js, HTML, CSS and Javascript.

Digital Timesheet | Workplace Task, 2025

- Converted an Excel traditional timesheet spreadsheet into a digital timesheet that made it more efficient to note down the number of hours worked, manager approval, etc.
- Used Microsoft PowerApps and Microsoft PowerAutomate

Core Technical Skills

- **Programming:** Java, HTML, CSS, MySQL
- **Frameworks:** React.js
- **Tools:** Visual Studio Code, Notepad++, Github, Adobe Photoshop, Blender, Microsoft PowerApps
- **Concepts:** UI/UX basics, database design, troubleshooting, automation basics, object-oriented programming, CSS Flexbox

Soft Skills

- Creative Problem-Solving
- Team Collaboration
- Adaptability and Willingness to Learn (thrived in fast-paced WIL environment)
- Multitasking
- Organizational

References

Sithembile Muvhango | Mobile Applications Developer, Barloworld Equipment

sithembile.muvhango@barloworld-equipment.com | 067 152 2926 | Workplace Mentor

Motlalepule Mahapa | Test Lead, Barloworld Equipment

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