

Inga Maholwana

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<https://github.com/IngaMaholwana> | <https://ingamaholwana.github.io/PORTFOLIOWEBSITE/> |
<https://ingamaholwana.github.io/portfolio/> | Fullstack developer

EDUCATION

Wethinkcode

Higher Certificate information Technology Systems Development

Cape Town, South Africa

Completed – Dec 2024

University Of The Western Cape

Bachelor of law LLB

Cape Town, South Africa

Expected – May 2028

CERTIFICATIONS

Comptia Data plus

CompTia

October 2025 - October 2028

RCK1NR8QVMRE161J

GenAI

Wethinkcode GenAi Certificate

June 2025 - June 2028

Google Advanced Data Analytics Certificate

Google Advanced Data Analytics Certificate

Google Cybersecurity Certificate

Google Cybersecurity Certificate

EXPERIENCE

Software development intern

Mandela Legacy pty ltd

Present

Cape Town, South Africa

Data analyst associate

Capaciti

Jan 2025 - OCT 2025

Cape Town, South Africa

- Extracted, transformed, and loaded HR data into company databases using Python and R Studio. Developed interactive dashboards in Power BI, Tableau, and Excel to visualize HR metrics and business performance. Cleaned and validated large datasets to ensure accuracy and consistency across HR systems. Streamlined onboarding/offboarding processes for labor brokers and aligned workflows across distribution centers. Identified opportunities for automation and process standardization to improve operational efficiency.

Administrative Clerk

Tshaka Scholar Transportation

Dec 2019 – Oct 2020

Cape Town, South Africa

- Maintained detailed Excel-based spreadsheets to track vehicle performance, driver schedules, and route efficiency. Produced analytical reports highlighting trends Executed daily banking operations, including transaction verification and reconciliations, ensuring financial transparency and compliance.

PROJECTS

ikhalenda yesiXhosa/IInyanga zonyaka | *React, Typescript, Google calender Api, Supabase, local storage*

- Wrote calender application that is both for learning the isiXhosa language and functional with google calender so can use it like any productive calender and set events and get notifications with valid gmail account.
- The application has hybrid management uses supabase and local storage of data so users have control of their data and their google accounts with calender access only. Accurate date tracking

LineOfThought | *RubyOnRails, PostgreSQL, Devise, Letter Opener, RSpec, Capybara, Guard, Faker, FactoryBot, YAML, Docker*

- Built a minimalistic social media application implemented OAuth integration allowing users to sign up via Google, GitHub or through traditional email/password registration using Devise.
- Allowed users to create group chats and send messages to the friends they are following or added. Have full control of their profile change their pictures online status.
- Utilized RSpec, Capybara, Guard, and FactoryBot for comprehensive test coverage and efficient development workflows. Leveraged Docker for containerization and YAML for configuration management.

Authenfication services | FastApi, Python, JWT, Postgre

- Created Full-stack authentication and authorisation service using FastAPI with JWT-based authentication, secure password hashing and storage for modern web applications.

uGrandjojo | Microsoft, Open AI, Vs-code, TypeScript, CSS

- Created a Vs-code extension in the Microsoft Ai for good 48 hour hackthon. The extension leverages chatgpt 3.5turbo to handle the sprite actions when a developer or student is being productive and uses code sense and chat function to help deal with impostor syndrome and they can choose a sprite persona help them, give feedback when the user requests.
- The extension is live in Vs-code market place the persona file checks for any harmful speech that user might be sharing with the ai agent and will connect to the Cape Mental Health for a professional and the chat will move over from ai to mental health professional. Code sense or code read is performed once the user agrees and it will assist them to the best of the agent ability. The sprite perform tricks if on idle.

Seoul Average Bike Rental | R, Jupyter Notebook, public tableau

- Conducted end-to-end analysis on over 200,000 bike-share trip records identify behavioral patterns between casual riders and annual members.
- Communicated the difference between member and casual subscriptions and peak periods for the casual bike renters.

TECHNICAL SKILLS

Soft Skills:Communication, collaboration, leadership, problem solving, adaptability, creativity, time management, emotional intelligence.

Programming Languages:Python, Java, Ruby, JavaScript, TypeScript, Delphi Pascal, C sharp, React, C++, C, Rust.

Data analytics:PostgreSQL, MySQL, MongoDB, Plotly, Dash, Waffles, WordCloud, Pandas, NumPy, Matplotlib, Seaborn.

Platforms:Git, GitHub/GitLab, GitHub Actions, Excel, Coolify, Railway, Heroku, Netlify, Vercel, PowerBi, Tableau, IBM Cognos, AWS, Microsoft Azure, Docker, Linux.

Testing:RSpec, Capybara, FactoryBot, Junit, Mockito, Jest, Selenium, Pytest, Unittest, react developer tool.

DevOps/Build:Maven, Gradle, Git, Github Actions, Docker, Kubernetes, AWS, Azure.

Libraries:Django, Flask, Spring Boot, Ruby on Rails, Thymeleaf, JWT, OAuth2.