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[LinkedIn Profile](#)

[Portfolio website](#)

[GitHub Profile](#)

Kholofelo Moropane

Software Engineer

SUMMARY

Junior Python Developer with hands-on experience building and customising ERP solutions within the insurance industry. Strong foundation in Python, PostgreSQL, and the Odoo framework, with exposure to data engineering, AI-assisted document processing, and API-driven systems. Currently completing a BSc in Computing, with proven ability to deliver production-ready features, collaborate cross-functionally, and write clean, maintainable code in regulated environments.

Software Engineer

Junior Python Developer

Aug '25 - Jan '26

Kaelo - Head Offices

52 Corlett Dr, Illovo, Sandton, 2196

Full-Time: Onsite

Developed and customised Odoo ERP modules using Python, XML, and PostgreSQL to support internal insurance operations. Delivered enhancements across CRM custom fields, Payroll Ticketing, Partner Management, Access Rights Reviews, and automated Work Group / DMS directory processes. I supported business users by translating operational requirements into maintainable backend logic and data structures. Improved system reliability and usability through refactoring, validation logic, and structured access controls.

Data science intern

Apr '24 - Jul '25

FCB.ai

25 Rudd Rd, Illovo, Johannesburg

Full-Time: Hybrid

I assisted in developing OCR and LLM-based solutions by collecting, cleaning, and analyzing datasets (text, images, PDFs). Contributed to training and optimizing OCR models and fine-tuning LLMs for tasks such as text extraction, summarization, and classification. Supported API integrations and UI/UX improvements, documented key findings, and collaborated with cross-functional teams to deliver AI-driven features.

Data Engineering Learner

Nov '22 - Apr '24

Umuzi Academy Institution

Jeppestown, Johannesburg, 20

I completed a two-year Data Engineering learnership, earning an NQF Level 5 National Certificate in IT (Systems Development) (SAQA ID 48872). Built foundational skills in Python programming, JavaScript, HTML, CSS, SQL, ETL processes, APIs, and object-oriented design.

Process Controller

Nov '19 - Aug '20

Bright Refining PTY LTD

Germiston, Gauteng,

Full-Time

I worked as a process operator at Bright Refining, responsible for overseeing the operations of the Copper Smelting Plant.

Responsibilities: Diagnosing faults affecting plant operations, preparing to start up/shut down a plant, Sample Preparation/Analysis to ensure they meet company specifications, Housekeeping and minor maintenance work.

In-service Trainee

May '18 - Jun '19

Element Six Pty Ltd

Nuffield, Springs, 1559

Full-time

I worked full-time as an in-service trainee with the aim of obtaining a National Diploma in Chemical Engineering.

Key responsibilities included sample preparation, pressing small mini test blocks, and conducting sample analysis in the QC laboratory

EDUCATION

Bachelor of Science in Computing: NQF Level 7

Jan '21 - Dec '25

University of South Africa

Muckleneuk, Pretoria, 0002

I am a final-year undergraduate student pursuing a Bachelor Of Science Degree in Computing at the University of South Africa.

Course Modules: Theoretical Computer Science | Introduction to Programming | Linear Algebra | Calculus | Computer Systems: Fundamental Concepts | Computer Networks | Introduction to Business Information Systems | Formal Logic | Introduction to Statistics | Visual Programming

Full-Stack Web Development Learner

Jun '25 - Dec '25

Zaio Institute Of Technology

51 Gogosoa St, Observatory, Cape Town, 7935

Part-Time: Online

I have completed a Full-Stack Web Development Bootcamp with the aim of obtaining an **NQF Level 5 National Certificate in Full-Stack web development**. The programme is focused on hands-on, project-based learning covering modern front-end and back-end web development technologies.

National Diploma in Chemical Engineering

Jan '15 - Sep '19

Vaal University of Technology

Andries Potgieter Blvd, Vanderbijlpark, 1911, South

Completed

I obtained a National Diploma in Chemical Engineering after successfully completing the required in-service training at Element Six Pty Ltd.

KEY SKILLS

Problem Solving * Data Wrangling * Data Cleaning * Extract, Transform, Load (ETL) * Data Infrastructure Development * Test-Driven Development and Unit-Testing * Clean code * Communication Skills * Odoo Framework (v17+) * PostgreSQL

Additional Strengths: Experience working in insurance-sector ERP environments * supporting compliance-driven workflows * Comfortable operating in production systems with real business impact * Strong written communication and documentation skills.

Technical Skills: * Git - Version Control * Linux * Docker * Python * PostgreSQL * MongoDB * NoSQL * Anaconda * VS Code * HTML5 * CSS3 * JavaScript (ES6+) * Responsive Web Design (Flexbox, CSS Grid) * Front-End & Back-End Development fundamentals (APIs, Databases – introductory)

FrameWorks: *RabbitMQ * Jupyter Notebook * SQLAlchemy * Alembic * flask-SQLAlchemy * pymongo and fastapi * React * Angular