

MABUTSI KGAOGELO KGAGARA

Junior Software Developer | Backend-Focused | BSc Computer Science & Economics

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Recent BSc Computer Science and Economics graduate with strong foundations in Java, Python, and relational databases. Built multiple full-stack and backend-driven applications using OOP principles, CRUD operations, and SQL database integration. Passionate about building scalable backend systems, writing clean code, and solving real-world problems. Seeking a Junior Software Developer or Backend Developer opportunity to contribute to production-level systems and grow within a professional engineering team.

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript

Backend & Databases: Flask, SQLite, MySQL, Relational Database Design, CRUD Operations

Frontend: HTML, CSS, JavaFX, Streamlit

Concepts: Object-Oriented Programming (OOP), Data Structures & Algorithms

Tools: Git, GitHub, VS Code

EDUCATION

Bachelor of Science (BSc) Computer Science & Economics

North-West University | 2022 – 2024

National Senior Certificate

Maserumule Secondary School | 2016 - 2021

PROJECTS

Desktop Booking Management System

Java, JavaFX, SQLite

- Developed a desktop application for managing bookings with full CRUD functionality
 - Implemented OOP principles to structure business logic and application flow
 - Integrated SQLite relational database for persistent data storage
 - Designed GUI using JavaFX with proper separation between UI and backend logic
 - Demonstrated database connectivity, error handling, and input validation
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Fitness Club Management System

Flask, Python, SQL

- Built a full-stack web application managing members, trainers, classes, payments, and check-ins
 - Designed relational database schema and implemented CRUD operations
 - Developed backend routes and business logic using Flask
 - Implemented user authentication and form validation
 - Structured application using modular and maintainable architecture
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Interactive Data Dashboard

Python, Streamlit, SQLite, Plotly

- Developed a deployed web application for real-time data exploration and visualization
 - Integrated SQLite database for structured data management
 - Implemented dynamic filtering and backend data processing logic
 - Built interactive visualizations using Plotly
 - Deployed application for public access
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CERTIFICATIONS

- [SQL & Relational Databases](#)
 - [Full Stack Development](#)
 - [Intro to Data Science](#)
 - [Intro to Cybersecurity](#)
 - [Intro to IoT](#)
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ADDITIONAL INFORMATION

- Available immediately
- Eligible to work in South Africa
- Open to remote, hybrid, or onsite opportunities