

MAVHUNGU LBOGANG SHEARAFT

Software Engineering Graduate | BSc IT (NWU)

Johannesburg, South Africa

Phone: 064 848 1794 | Email: mavhungulebogang17@gmail.com | LinkedIn: www.linkedin.com/in/lebogangshearaft |

GitHub: <https://github.com/lebogangshearaft> | portfolio: <https://lebogangshearaft.github.io/>

SUMMARY

A focused and ambitious Software Engineering graduate with hands-on experience building full-stack applications, APIs, and data-driven systems. Strong foundation in Java, Python, JavaScript, SQL, React, C#.net and modern frameworks, with a practical understanding of the software development lifecycle, system design, and problem-solving. Adaptable, reliable, and committed to continuous learning, with the ability to contribute effectively within fast-paced internship or graduate engineering environments.

EDUCATION

North-West University, 2022 – 2025

BSc in Information Technology (Majoring in computer sciences and information systems)

Relevant Modules: Software Engineering, System Analysis & Design, Databases, Data Structures & Algorithms, Operating Systems, Networks, Artificial Intelligence.

TECHNICAL SKILLS

- **Languages:** Java, Python, C#, JavaScript, TypeScript, SQL
 - **Frameworks:** Spring Boot, Node.js, Express.js, React.js, FastAPI
 - **Software Engineering:** OOP, data structures, algorithms, SDLC, Agile
 - **Cloud & DevOps:** Azure fundamentals, AWS basics, Docker, GitHub Actions
 - **Testing & Quality Engineering:** Unit testing, API testing, debugging
 - **Databases:** PostgreSQL, MySQL
 - **Tools:** Git, GitHub, Visual Studio, VS Code
 - **Other:** Debugging, Testing fundamental, Documentation
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RELEVANT PROJECT EXPERIENCE

EduMate – Final-Year Capstone Project

React.js • Node.js • Express • PostgreSQL

GitHub: https://github.com/lebogangshearaft/edumate_app

- Built REST APIs, authentication flows, and data-driven features.
- Strengthened debugging, integration testing, and full-stack implementation.
- Collaborated in a structured development workflow
- Strengthened analytical, documentation, and digital solution delivery skills

Lerbow's Luxury Hair & Beauty Salon – Digital Booking System

Java • Spring Boot • PostgreSQL

GitHub: <https://github.com/lebogangshearaft/lerbows-luxury-hair-beauty-salon>

- Built a scalable digital solution for client scheduling, service planning, and resource allocation.
- Developed a secure, scalable backend using Spring Boot.
- Implemented JWT authentication and role-based access
- Demonstrated ability to deliver quality, client-focused digital systems.
- Applied clean architecture principles and API best practices.

Clinical Decision Support System (CDSS) API

Python • FastAPI • PostgreSQL

GitHub: <https://github.com/lebogangshearaft/clinical-decision-support-api>

- Designed a rule-based API with structured validation and logic.
- Implemented clean data structures, validation logic, and reporting endpoints.
- Developed structured backend logic, authentication flows, and role-based data management
- Strengthened problem-solving, analytical reasoning, and system architecture skills.

CERTIFICATIONS

- **Full-Stack Engineer Professional Certificate – Codecademy** (*Aug 2025*)
- **Back-End Engineer Professional Certificate – Codecademy** (*Aug 2025*)
- **Front-end engineer Professional Certificate – Codecademy** (*May 2025*)
- **Full-Stack Development Certificate – FNB** (*Jul 2025*)

REFERENCES

Available on request.