Lwazi Nhlakanipho Shozi   SOFTWARE ENGINEER

CONTACT

Phone: +27-695220784
Email: lwazishozi11@gmail.com
GitHub Account: https://github.com/lwazi112003
LinkedIn Profile :https://www.linkedin.com/in/lwazi-shozi-057928289/

Address: New Market Junction Woodstock 143 Lowrey street cape Town 8001

EDUCATION

Cape Penisula University of Technology
Diploma in ICT Applications Development

expected graduation May 2026

- Object-Oriented Programming
- Data Structures and algorithms
- Database Systems management
- Mobile Application Development

PROJECTS

Student Accomodation System For CPUT(ResiFind)
Backend Developer

Jan 2024-Nov 2024

- Developed a scalable backend system using JavaScript, Html, Css and SQL, enabling seamless student residence search functionality and secure user data storage.
- Collaborated with a 4-person team through Agile sprints, delivering a 96%-graded project by debugging issues and optimizing database queries.
- Managed a fully functional relational database system with SQL, ensuring data integrity and performance for 20+ simulated CPUT student residence listings.

Motor Vehicle Voting System.
Team Lead and backend dev

July 2024-Nov 2024

- Designed and implemented an industrial-grade control system using Java and Swing/AWT, enabling real-time monitoring and user-friendly UI for ventilation management.
- Integrated a robust backend with JDBC and MySQL, ensuring seamless data flow between the UI and database for live system performance tracking.
- Architected a scalable multi-tier solution combining modern UI design with backend infrastructure, demonstrating expertise in complex industrial system development.

Full-Stack Computer Lab Booking System For CPUT
Team Lead and backend dev

Jan 2025 - May 2025

- Engineered a user-centric lab booking platform using React, Java Spring, and SQL, enabling students to reserve computers based on specific software/hardware requirements.
- Designed a dynamic filtering system with Spring Boot APIs, allowing real-time matching of user needs (e.g., CAD tools, GPU specs) to available lab resources.
- Optimized database operations via SQL query tuning, reducing booking confirmation latency by 40% and supporting 50+ concurrent users during peak hours.

SKILLS

- **Programming** : Java, Python, Javascript, Html, CSS, SQL, Kotlin, Node.js React, Spring boot.
- **Mobile Development**: Android Studio, Android SDK
- **Software systems** : Figma, Pycharm, Intelij,
- **Platforms** : Linux, MacOS and Windows.
- **Development Practises**: Agile Methodology, Scrum, Unit Testing.
- **Other Skills**: Problem-solving, code optimization, Cross-platform development, UI/UX design principles.
- **Interests** : Chess Football swimming and playing video games.