

Theophilus Thobejane

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PROFESSIONAL SUMMARY

Graduate Software Developer with practical experience building and maintaining full-stack and mobile applications in JavaScript, Node.js, React Native, and relational databases. Showed capability in delivering reliable systems for real clients, optimizing processes through automation, and collaborating within structured, agile-driven teams. Strong academic grounding (NQF 7) combined with real-world project execution.

EDUCATION

University of Mpumalanga

Advanced Diploma in Information and Communication Technology – NQF7

Nelspruit, Mpumalanga

Expected Graduation, May 2026

- **Concentrations:** Cybersecurity, Intelligence and Modeling
- **Related Coursework:** Programming in Java, Data Structures & Algorithms, Object-Orientated Programming (OOP), Networking, Machine Learning, Artificial Intelligence, Project Management, Statistics & Applications, Cyber Security, Systems Analysis, Mathematics, Statistics, Linux (Ubuntu) environment.

EXPERIENCE

Casalinga Tours: Artificial AI-Integrated Booking Ecosystem | Freelancing

Remote

Lead Developer | <https://www.casalingatours.online/>

Jun 2024 - Jul 2025

- Built a production booking system replacing manual WhatsApp bookings, reducing admin work by 15+ hours weekly.
- Integrated AI-driven tour recommendations, increasing user engagement by 40%.
- Designed a PostgreSQL database schema that matched the dynamic tour inventory with the Artificial Intelligence (AI) model, removing scheduling conflicts and reducing administrative manual entry by over 15 hours per week.

University of Mpumalanga

Nelspruit, Mpumalanga

Student Assistant (Lecturer Assistant)

Feb 2024 - Jan 2025

- Used classroom lessons and academic guidance to deliver supplementary lectures and extra classes for core ICT modules, which improved student understanding and increased average test scores by 18% in supported courses.
- I also used automated grading tools and rubric-based assessment with lecturer facilitation to assist lecturers in marking assignments and exams for 40+ students, ensuring accurate, timely feedback while reducing grading workload by 60%.
- Made use of Python and Java debugging sessions to tutor 3rd year students in software development projects, resulting in a decrease in project resubmissions and higher final projects.

PROJECTS

Stock Predictor

remote

Team Lead and Lead Developer

Jun 2023 - Oct 2023

- Trained mathematical models to predict stock price trends using Naive Bayes, neural networks, and linear regression time series algorithms
- Scripted the predictive stock price model and obtained a prediction accuracy of 90.07%

IoT Smart Home System: Automated Energy & Load-Shedding Manager

University of Mpumalanga

Team Lead & Lead Systems Architect

Feb 2023 – Nov 2023

- Led a team of 8 to deliver an IoT smart-home system that converts standard appliances into remotely managed devices.
- Built a load-shedding-aware system using ESP8266 (C++), Firebase, and cloud logic to prevent power surges during grid instability.
- Developed a control platform with React Native (Expo) and Node.js/Express, including ML-driven automation that improved energy efficiency by 15%.

- Happy-Deliveries: Multi-Vendor Food Delivery Ecosystem mobile app** Remote
Lead Developer *Dec 2024 - Dec 2025*
- Developed a cross-platform mobile application using React Native (Expo), enabling a unified codebase for iOS and Android while ensuring high-performance UI interactions and smooth navigation.
 - Made use of scalable RESTful API with Node.js and Express, managing complex state transitions for real-time order processing, cart persistence, and secure user authentication.

- ATM Simulation System (Java)** Remote
Sole Developer *Jun 2023 - Oct 2023*
- Accomplished a 100% accurate transaction logging system by architecting a decoupled logic structure using Java's Object-Oriented principles, ensuring every deposit, withdrawal, and transfer is recorded in an immutable *transactionHistory* list.
 - Minimized account retrieval latency to constant time complexity by implementing a HashMap data structure for account storage, enabling near-instantaneous authentication and data access regardless of the user base size.

ACTIVITIES AND LEADERSHIP

University of Mpumalanga | Mbombela, South Africa Team Lead & Full-Stack Developer (Smart Home Initiative)

- Successfully led a team of 8 members (classmates) to develop an IoT Smart Home system, orchestrating weekly sprints, technical training sessions, and project schedules that ensured 100% on-time delivery of the prototype.
- Managed conflict resolution and team motivation by establishing clear milestones and performance rubrics, maintaining high morale throughout a complex 10-month development cycle.
- Implemented technical training sessions and peer-mentorship programs to overcome skill gaps in the team to ensure all members were proficient in the project's development standards.

SKILLS

Programming: Java, Python, JavaScript, PHP, Node.js, C++, Kotlin

Tools: Android Studio, IntelliJ, Visual Studio Code, Eclipse, AWS, Jupyter Notebooks, Git.

Frameworks & Libraries: React.js, React Native (expo) and express.js, Django, Spring Boot, J2EE (Servlets, JSP).

Databases: MySQL, PostgreSQL, Mongo DB, Database Migration (Flyway/Liquibase).

Concepts: Data structures and Algorithms, RESTful API Design, troubleshooting, Problem solving Skills, SDLC, Agile/Scrum.

REFERENCES

Job References

Employer (Student Assistant) – Lilly Kunene: University of Mpumalanga (Mbombela Campus)

Email: lilly.kunene@ump.ac.za

Casalinga Tours founder – Blessing Aphanga

Phone: +27 76 687 8485

University References:

Lecture (& IoT project) – Ms. Sinazo Matyila: University of Mpumalanga (Mbombela Campus)

Email: sinazo.matyila@ump.ac.za