

JONATHAN SITHOLE

Master of Informatics Student & Full Stack Developer

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PROFESSIONAL SUMMARY

Solutions-driven Information Systems graduate and Master of Commerce candidate with hands-on experience in full-stack development, systems analysis, and technical support. Proficient in building scalable web applications using React, PHP, and Java, with cloud deployment experience on AWS and Firebase. Passionate about solving real-world business problems through digital transformation and gamification strategies.

TECHNICAL SKILLS

- **Frontend:** React.js, Tailwind CSS, HTML5, JavaScript (ES6+), CSS3.
- **Backend:** PHP, Node.js, Java (Spring Boot), RESTful APIs.
- **Database:** MySQL, PostgreSQL, Firebase Realtime Database.
- **Tools & Cloud:** AWS (Amplify, Lambda), Git/GitHub, Docker, VS Code.
- **Core Competencies:** Systems Analysis, Agile Methodology, Data Architecture, Debugging.

SOFTWARE PROJECTS

HealthConnectSA (Hospital Floor Management System) | PHP, MySQL, JavaScript

- Developed a secure, cloud-based healthcare platform to digitize patient records and reduce administrative data silos in South African public hospitals.
- Implemented **Role-Based Access Control (RBAC)** for Doctors, Nurses, and Admins to ensure POPIA compliance.
- Engineered a **Real-Time Vitals Monitoring** module that triggers automated alerts for critical patient conditions.

Gamified Java Learning Platform | React, Firebase, Tailwind CSS

- Built a full-stack educational platform using **Design Science Research** principles to improve engagement in undergraduate programming courses.
- Integrated **Firebase Authentication** and **Realtime Database** to power live leaderboards, point systems, and instant feedback loops.
- Designed a responsive, interactive UI that adapts to student progress, reducing course attrition rates.

Wolmer Clever Kids Website | HTML, CSS, JavaScript, PHP

- Designed and developed a fully responsive website for a local childcare facility, establishing their professional digital presence.

- Implemented a unified interface to centralize parent enquiries and showcase critical facility information (programs, age groups, and operating hours).
- Optimized layout and performance to ensure 100% accessibility across mobile, tablet, and desktop devices, significantly improving parent engagement.

PROFESSIONAL EXPERIENCE

Reading Development Assistant | North-West University

Apr 2025 – Nov 2025

- Facilitate academic support workshops, tracking student attendance and progress data to report to faculty leadership.
- Coordinate schedules and communication between students and academic staff to ensure program efficiency.
- Provide individual digital literacy guidance to students, enhancing their ability to utilize e-learning tools.

Junior Web Developer | Kaributech AI

Dec 2022 – Apr 2023

- Developed and optimized REST APIs using **Spring Boot** to streamline business processes.
- Implemented serverless functions on **AWS Lambda** (Python) to improve system efficiency and reduce infrastructure costs.
- Managed database schemas using **pgAdmin** and utilized **Jira** for Agile project tracking and reporting.

Founder & Lead Technician | Tech Plug (Remote & On-Site)

Jan 2019 – Present

- Founded an IT support service providing 24/7 troubleshooting for Windows/Mac systems to over 100+ clients.
- Perform complex hardware diagnostics, data recovery, and software installations.
- Manage all business operations, including client communication, pricing strategy, and service delivery marketing.

EDUCATION

Master of Commerce in Informatics (Information Systems)

North-West University | 2024 – Present

Bachelor of Commerce Honours in Information Systems

North-West University | 2023

Bachelor of Commerce in Information Systems

North-West University | 2022

CERTIFICATIONS

- **Problem-Solving Certification – IBM**