

# JONATHAN SITHOLE

**BCom honours Information Systems**

Pretoria North, South Africa

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## PROFESSIONAL SUMMARY

Solutions driven Information Systems honours 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
- Engineered a Real-Time Vitals Monitoring module 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 (awaiting submission of final research)*

### **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