SENZO MAXWELL NGCANE

Junior Software Developer | IT Support | ICT Diploma Graduate
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PROFESSIONAL SUMMARY

Recent Diploma in Information and Communication Technology (Applications Development) graduate from Sol Plaatje University with strong foundations in software development, programming, web and mobile applications, and systems analysis. Built full-stack web applications using Next.js, Django and MongoDB, and has hands-on experience with data capture and device troubleshooting at Statistics South Africa. Skilled in Microsoft Office, including Excel, and eager to apply problem-solving abilities in an entry-level developer or IT support role. Holds a Code EC driver's licence (renewed; card pending).

CORE SKILLS

Programming: Java, Python, C#, Visual Basic, JavaScript, PHP, Android mobile development
Web Development: HTML, CSS, React, Next.js, Tailwind CSS, Bootstrap, Django, ASP.NET, REST APIs
Databases: SQL, MongoDB, NoSQL, data handling, information systems management
IT Support & Systems: Hardware assembly, troubleshooting and maintenance, Linux, Ubuntu Server, network troubleshooting, networking fundamentals
Security: Ethical hacking, penetration testing, IoT security, cybersecurity awareness
Tools: Git, GitHub, Visual Studio, Visual Studio Code, Microsoft Office, Microsoft Excel, Clerk authentication, Inngest
Other: Project planning, task coordination, user experience and interface design (HCI), problem solving, teamwork, time management, attention to detail, adaptability

PROJECTS

Surgery Care – Consumables & Script Management System | Final Year Project 2025

- Designed and implemented a web-based system for hospitals and clinics to manage medical consumables and prescriptions.
- Delivered real-time stock monitoring, automated low-stock alerts, order tracking and monthly audit reporting.
- Technologies: Next.js, Tailwind CSS, MongoDB, Clerk, Inngest Cloud.

Academic Wellness Hub – Student Support Application | Personal Project 2025

- Developed a wellness and academic support app for students to track tasks, schedules and mental well-being.
- Built features including daily mood check-ins, sleep tracking, task management and resource navigation.
- Applied HCI principles (visibility, feedback, consistency) and built wireframes and prototypes using Django and Bootstrap.

WORK EXPERIENCE

Census Enumerator | Statistics South Africa | Naas, Mpumalanga Feb 2022 – May 2022

- Captured data digitally and conducted confidential interviews with 300+ households using tablet devices.
- Ensured accuracy, integrity and completeness of demographic data through verification processes.
- Provided basic technical support and troubleshooting for data collection devices.
- Communicated professionally with diverse communities to meet project targets and deadlines.

EDUCATION

Diploma in Information and Communication Technology (Applications Development) | Sol Plaatje University 2025
Information Technology End-User Computing | Siyapeace Computer Training 2021
National Senior Certificate (Matric) | Mehlobovu Secondary School 2020

CERTIFICATIONS

Ethical Hacker; Computer Hardware Basics; Introduction to Modern AI (Cisco Networking Academy) | Software Development Fundamentals; Microsoft Excel; Networking Fundamentals (Mzansi Digital Learning) | Introduction to Cybersecurity Awareness; Data Science & Analytics; Inventory Management (HP LIFE, HP Foundation, 2026)

ADDITIONAL INFORMATION

Licence: Code EC driver's licence (renewed; card pending)
Languages: English (fluent), Siswati (fluent), isiZulu (fluent)
References: Available on request