

WEBSTER BHOROMA

Solutions Architect | Full-Stack Developer | Network Infrastructure Specialist

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PROFESSIONAL PROFILE

Highly analytical and impact-driven IT professional with an Advanced Diploma in Communication Networks and a proven track record in Full-Stack Development. Winner of the **ECSA Hackathon (2nd Place)**, specializing in bridging the gap between complex network infrastructure and user-centric software solutions. Expert at identifying technical "blind spots" and translating them into scalable, high-performance applications. Unique expertise in combining ISP-level infrastructure management with modern web architecture.

CORE COMPETENCIES

Software & Web Development

- **Languages:** PHP (Laravel), JavaScript (ES6+), Python, SQL, HTML5, CSS3.
- **Frameworks/Tools:** React.js, WordPress (Headless/Functional), Bootstrap.
- **Database Management:** MySQL, PostgreSQL, Database Schema Design.
- **API Development:** RESTful API architecture and integration.

Network Engineering & ISP Operations

- **Infrastructure:** PtP (Point-to-Point) & PtMP Installations, Routing & Switching.
- **Wireless Technology:** Cambium Networks (cnMaestro), Spectrum Analysis, Microwave Links.
- **Network Security:** VoIP, Infrastructure Design, VPNs, and Firewall Management.
- **OS:** Advanced Linux (Ubuntu/Debian), Windows Server, MacOS.

Project Management & Research

- **SDLC/Agile:** Full Lifecycle Management, rapid prototyping, and iterative development.
 - **Gap Analysis:** Expert at identifying disconnects in legacy technical systems.
 - **Documentation:** Technical writing for system requirements, IoT simulations (Packet Tracer), and grant-winning research papers.
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PROFESSIONAL EXPERIENCE

Khulani Office Solutions t/a Netk (ISP) | Network Technician Intern | 2022

- **Network Monitoring:** Managed and monitored regional network health using the **Cambium Networks Dashboard (cnMaestro)**, ensuring 99.9% uptime.

- **Infrastructure Deployment:** Led the physical installation and alignment of **Point-to-Point (PtP)** wireless links for corporate and residential clients.
- **Spectrum Analysis:** Utilized diagnostic tools to perform spectrum analysis, identifying and mitigating frequency interference to optimize link performance.
- **Client Support:** Provided Tier 2 technical support for last-mile connectivity issues and onsite hardware troubleshooting.

GConnect Network Solutions | *Lead Full-Stack Developer* | 2023 – Present

- Engineered the corporate digital presence and service catalogue for a regional ISP.
- **Optimization:** Specifically optimized the platform for high-speed performance across low-bandwidth mobile networks, increasing user retention.
- **Systems Integration:** Bridged the ISP's service offerings with a seamless automated client-facing portal.

KEY TECHNICAL PROJECTS

Syalima Mthatha (Agri-Tech Platform) | *Lead Architect & Developer*

- Developed a multilingual social-commerce application connecting government, commercial, and subsistence farmers.
- **Impact:** Solved the "Information Silo" problem in rural agriculture through a custom-built PHP/WordPress ecosystem.

WRC Farmer's Network | *Lead Researcher & Developer*

- Architected a research-based social platform funded by the **Water Research Commission**.
- **Achievement:** The platform's success and the rigor of the research methodology secured full funding for my postgraduate studies.

AWARDS & RECOGNITION

2nd Place – ECSA Hackathon (Engineering Council of South Africa) | 2023

- Developed a functional engineering solution under high-pressure constraints.
- Recognized for **Rapid Prototyping** and translating complex engineering problem statements into a working technical model within 24 hours.

EDUCATION

- **Advanced Diploma in Communication Networks** | Walter Sisulu University (WSU) | **2023**
- **Diploma in Information & Communication Technology** | Walter Sisulu University (WSU) | **2019 – 2021**

PROFESSIONAL ATTRIBUTES

- **Strategic Problem Solver:** Adept at finding the "Technical Gap" where others see standard processes.
- **Technical Communicator:** Capable of translating complex backend/infrastructure logic to non-technical stakeholders for informed decision-making.
- **Lifelong Learner:** Rapidly adapts to new languages, frameworks, and evolving network protocols.

REFERENCES

- **Prof. Jere** | Lecturer & Project Leader (UMP Project) | 📞 +27 61 867 8861
 - **Dr. Lukose** | HOD (IT Department), WSU | 📞 +27 84 250 0869
 - **Mr. Sakhonda** | Former Employer, Khulani Office Solutions | 📞 +27 60 526 0443
 - **Sr. N. Lushaba** | Lecturer (2019-2021) | 📞 +27 73 898 8819
 - **Avile Bantwin** | Hackathon Teammate | 📞 +27 65 315 4463
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