

Innocent Shongwe

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OBJECTIVE

A recent Postgraduate Diploma in ICT graduate and Tech enthusiast specializing in Cloud computing, Systems Architect and Software Engineering. I am skilled in cloud strategy, workload assessment, and migration execution, with a strong background in software development and solutions architecture. Adept at guiding clients through cloud adoption journeys, ensuring scalability, security, and cost optimization. Proven track record of collaborating with cross-functional and distributed teams to deliver successful cloud transformations in agile environments.

EDUCATION

University of Mpumalanga, PGDip (Honors) in ICT in Application Development | Mbombela, Mp May 2025

- **Average:** 73%
- **Relevant Coursework:** Data Structure and Algorithms, AI, Database, Application Development, Robotics, Research, IoT, Cloud Computing, Computer Forensics.

SKILLS AND CERTIFICATIONS

- | | |
|----------------------------|-----------------------|
| • Linux Certified | • Android and Flutter |
| • JavaScript Vue, TS | • Python |
| • Solutions Architect | • Networking |
| • ALX Software Engineering | • Java |
| • Systems Engineer | • MySQL |

WORK EXPERIENCE

Cloud Advisory and Migration – BCX, Centurion, Gp Nov 2024 - Present

- Develop technical documentation, migration playbooks, and knowledge transfer material for client teams.
- Conduct workload discovery, dependency mapping, and application assessments to plan seamless cloud transitions.
- Design and implement migration roadmaps including rehost, re-platform, and re-architect strategies to align with business goals.
- Assess client IT landscapes to evaluate cloud readiness, identify migration opportunities, and recommend suitable cloud strategies (AWS, Alibaba Cloud, or hybrid).
- Engineered system architectures by designing, configuring, and deploying cloud-based Virtual Machines (VMs) to ensure performance, scalability, and security.
- Optimize cloud resources for performance, scalability, and cost efficiency post-migration.
- Deploy and configure customer infrastructure in the new cloud environment, ensuring scalability, resilience, and security.

Network Transmission Engineer – Huawei Technologies, Sandton, Gp Jan 2023 – Oct 2024

- Conduct transmission analysis during optical capacity upgrades.
- Managed services for a variety of circuits ranging from 2Mbps to 800G.
- Clear optical laser alarms and manage traffic migration per new link creation.
- Enhanced customer relationships by addressing all technical aspects and providing comprehensive support.
- I perform weekly network performance analysis on KPIs as per contract agreements.
- Maintained and upgraded network systems, ensuring optimal performance and reliability.
- SDH, DWDM, PACKET, OTN, and ROADM technologies.
- Handle emergency outages and manage SR ticket creation and follow-ups with GTAC/R&D for complex network issues.
- Maintained and upgraded network systems, ensuring optimal performance and reliability.
- Efficiently closed support tickets within required timelines, maintaining high levels of customer satisfaction.

Software Engineering Intern – Kayise IT, Mbombela, Mp Jan 2022 – Dec 2022

- Utilized bleeding-edge engineering practices to create Product Engineering Methodologies (PEM) content site for Kayise IT clients. Used JavaScript, Vue, and PHP and hosted the webs on AWS.
- Architected and developed robust software solutions utilizing Ruby on Rails and React frameworks, contributing to improved system stability and performance.
- Collaborated with cross-functional teams to diagnose and address software bugs, ensuring a seamless user experience.

- Identified and mitigated technical debt in collaboration with the team, optimizing the software development process over time.

LEADERSHIP EXPERIENCE

Alumni Secretary General - University of Mpumalanga

Jul 2025-Present

- Serving as Secretary General of the UMP Alumni, where I coordinate executive activities, lead alumni engagement initiatives, and leverage organizational and communication skills to strengthen alumni relations and support institutional growth.

Resident Advisor - University of Mpumalanga

Aug 2020- Nov 2022

- Developed and conducted programs on diversity, personal development, and academic performance. Utilized public speaking skills to present hall programs to educate residents about critical issues.

Teaching Assistant - University of Mpumalanga

Jan 2020 – Dec 2021

- Delivered a range of teaching and assessment activities including tutorials. Provided project feedback and guidance to 100+ students.

PROJECTS

Portfolio – This is my portfolio that has list of projects that I have created and that are shared on the public and they can be accessible from this link: <https://mshibo3.github.io/Innocent-Shongwe-Portfolio/>

MedRequest – PAICTA Hackathon 2020 (1st Winner): developed mobile application revolutionizing medication requests, allowing users to submit requests via mobile phones, reducing wait times, and enhancing the overall patient experience.