

Innocent Shongwe

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EDUCATION

University of Mpumalanga, B. in ICT in Application Development / Mbombela, Mp May 2022

- **Average:** 72%
- **Relevant Coursework:** Data Structure and Algorithms, Networking, Database, Application Development, Software Design and Development, Operating Systems, Data Science, DevOps, IoT

WORK EXPERIENCE

Software Engineer Intern – Huawei Technologies, Sandton, Gp Jan 2023 - Present

Reinvent and modernize companies existing digital platforms, products, and experiences to move our business forward.

Software Development

- Created cloud-native object-oriented software using Agile Software Development Life Cycle model
- Integrate software solutions with transmission equipment through well-defined APIs, using RESTful APIs with JSON
- Programmed infrastructure to automate data collection and processing that significantly improved the efficiency and performance along with cutting cloud computing costs
- Implement robust quality assurance processes using testing frameworks like JUnit or pytest to ensure the reliability and performance of software solutions.

Transmission Engineer

- Continuously monitor and optimize the performance of the transmission network.
- Evaluate and select appropriate transmission equipment based on technical specifications and project requirements.
- Maintain accurate and up-to-date documentation of transmission system configurations, changes, and upgrades. Generate regular reports on the status of transmission projects, performance metrics, and recommendations for improvement.
- Site visits to install new equipment and integration performance on the existing equipment on site/ data centers.

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 site on AWS.
- Gained experience with Atlassian Collaboration tools like Jira, Bitbucket, Docker and Confluence

ICT Technician Student Assistant- University of Mpumalanga, Mbombela, Mp Jan 2022- Dec 2022

- Diagnose and resolve computer issues, reset passwords, and manage printers for staff; actively participate in the Audio and Visuals team to ensure seamless technology operations across the organization.

LEADERSHIP EXPERIENCE

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 (2nd Winner): developed mobile application revolutionizing medication requests, allowing users to submit requests via mobile phones, reducing wait times, and enhancing the overall patient experience.

Online Voting App – Built a secure and user-friendly online voting platform for campus elections, featuring intuitive UI, candidate profiles, real-time analytics, robust security measures using Java, Firebase, REST API.

SKILLS AND CERTIFICATES: JavaScript, TypeScript, Java, Python, Node, DynamoDB, MongoDB, MySQL, C#, Angular, Node, REST API, Ionic, AWS (**Cloud Practitioner**), ALX (Software Engineer), CompTIA A+ & N+.