WANGU PHILLIP

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Career Summary

A Motivated and detail-oriented Software Developer with strong foundation in full-stack development, specializing in Java, mobile and web-based applications. Experienced in the entire software development lifecycle, from interpreting technical designs and writing efficient code to rigorous testing and debugging. Adept at building scalable solutions using Java, JavaScript, SQL and modern frameworks. A proactive problem-solver seeking to contribute technical expertise and innovative thinking to a dynamic programming team.

Education

<u>University of Botswana</u>
Bachelor of Science in Computing with Finance
Completed: May 2025 | **Expected Graduation**: October 2025

Final year project | Mobile App for Poultry Data Analytics

Problem Statement: Poultry Farmers using traditional methods such as books to capture data. This is prone to errors, possible data loss and use of stale data
Solution Statement: Design an application to capture poultry data and visualize the data in a meaningful way.
Technology Stacks: Java, Firebase

Experience

<u>Software Developer – Havitra (Remote, South Africa) | February 2024 – Present</u>

- Developed and maintained admin portal to streamline internal operations.
- Engineered and integrated secure payment gateways (YOCO & PayFast) for a mobile application, ensuring reliable transaction processing.
- Participated in Agile-based sprint planning, weekly code reviews and iterative development.

<u>IT Attachee – Francistown Senior School, Botswana | May 2023 – August 2023</u>

- Provided technical support for student and staff devices
- Helped maintain stable network connectivity
- Supported data entry and management using the Ed-Admin Database system

<u>Part-Time Tutor, University of Botswana Gaborone | August 2022 – May 2025</u>
Tutored core computer science modules: Algorithms, Introduction to Programming, Data Structures and Object-Oriented Programming

- Provided tutoring for university students in computer science modules.
- Assisted students in preparing for exams and improving academic performance.

Projects

Internship Management System (University Project)

- Developed a console-based application to manage the student records and grades.
- Applied core Java OOP principles to create a modular and maintainable codebase.
- Technology Stack: Java, JDBC, MySQL

RGB Security Tracking System | June 2025 – July 2025

- Worked with the RGB Security company team to build a mobile tracking app together with the admin dashboard to track live locations and manage employees.

More personal and collaborative projects with live demos available on GitHub and portfolio website.

Technical Skills

- Languages & Frameworks: Spring-Boot (Java), PHP (Laravel), JavaScript (React), C#, Java, TypeScript, Node.js, Flutter, Python (Pandas, NumPy)
- Tools & Platforms: Git/GitHub, Figma, Docker, Firebase, Google Cloud, SQL, Oracle, REST APIs
- Other Competencies: Full Stack Development, SEO Optimization, Project Management, Automation, Microsoft Office, Linux (Ubuntu), Agile/Scrum
- Concepts: Object-Oriented Programming (OOP), MVC Architecture, Software Development Lifecycle (SDLC), Unit Testing, Debugging

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Achievements and Awards

BW CyberClash 2023: Obtained second position
- Project: Developed a secure document sharing application integrated with user email.
- Tools used: PHP, SQL, Python (Cryptography)