

TAWANDA MUNONGO

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Full-stack software engineer with 3+ years building scalable systems in high-ownership environments. Experienced in modernizing legacy codebases and optimizing performance for applications handling thousands of daily transactions. Proficient across TypeScript, Go, PHP, and Python with strong DevOps capabilities.

EXPERIENCE

Fullstack Developer, Zapiet (Remote)

Nov 2023 – Present

- Reduced inventory processing time by 60% through database query optimization and implementation of bulk Shopify API operations with event-driven background jobs, improving performance for merchants processing 1000+ daily orders.
- Architected delivery location system using MySQL spatial data and polygon geometry validation, enabling merchants to define custom delivery zones and reducing invalid order submissions by 40%.
- Decreased CI/CD pipeline time from 15 minutes to 4 minutes (73% improvement) through parallel test execution and optimizing Bitbucket Actions workflows, reducing infrastructure costs and accelerating deployment cycles.
- Developed product bundling feature using Shopify metafields that increased average order value by 25% for participating merchants while building API integrations enabling third-party app development.

Software Developer, Chesco Tech (Hybrid)

Mar 2023 – Nov 2023

- Delivered government pension system as sole mobile developer (React Native/Expo) while maintaining backend SOAP API (Java/Spring) after team reduction, successfully deploying application to 10,000+ users and leading training program for government staff
- Reduced codebase size by 60% and improved maintainability by migrating legacy HR system from PHP 5.5 to Laravel framework, establishing unit testing practices and structured architecture that decreased onboarding time from 3 weeks to 1 week
- Enhanced application security by upgrading PHP 5.7 to 8.0 with PDO prepared statements, eliminating SQL injection vulnerabilities while implementing geolocation-based attendance validation, timesheet tracking, and QR code ordering features across multiple production systems.
- Built and deployed full-stack features across HR, POS, and restaurant management systems in fast-paced environment with frequent requirement changes, consistently meeting delivery deadlines within 3-person dev team.

PROJECTS

Rivalspy

Jan 2025

- A Fantasy Premier League analysis and tracking app with offline-support built with Laravel, providing insights that helped rank in the top 10% globally last season.

Doorman

Sep 2025

- A web analytics tool. Self-hostable with Docker and Kamal built with Go. See the source on [GitHub](#).

Personal blog

Since 2021

- Technical blogging on tawandamunongo.dev. Popular recent posts include [Privacy-First Analytics in Go](#) and [FastAPI Rate Limiting](#).

EDUCATION

Jiangsu University, BSc Computer Science & Technology

2018 – 2022

- Completed a capstone project: online music source separation using Open-Unmix presented via a Django web app.

SKILLS

- Languages: TypeScript, Go, PHP, Python
- Frameworks: React & React Native, Laravel, Spring Boot, Expo
- Technologies: MySQL, Shopify API, Docker, GitHub Actions, CI/CD