

# TAWANDA MUNONGO

[ejmunongo@gmail.com](mailto:ejmunongo@gmail.com) • [tawandamunongo.dev](https://tawandamunongo.dev) • [linkedin.com/in/tawanda-munongo](https://linkedin.com/in/tawanda-munongo) • [github.com/tmunongo](https://github.com/tmunongo) •  
Harare, ZW

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

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- Fullstack Developer, Zapier (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

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- 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](https://tawandamunongo.dev). Popular recent posts include [Privacy-First Analytics in Go](#) and [FastAPI Rate Limiting](#).

## EDUCATION

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- 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

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