

Tapiwanashe Mhondiwa

Full-Stack Software Engineer | React · Next.js · Node.js · Laravel · Go · PostgreSQL

+27 68 364 2136 | 1mhondiwa@hussledigital.co.za | [linkedin.com/in/tapiwanashe-mhondiwa](https://www.linkedin.com/in/tapiwanashe-mhondiwa) | github.com/1Mhondiwa

PROFESSIONAL SUMMARY

Full-stack software engineer with hands-on experience designing, building, and deploying production-grade systems across web, mobile, and SaaS. Specialises in Laravel, PHP, Next.js, React, Node.js, Go, PostgreSQL, C#, and .NET, taking projects from architecture through to deployment and ongoing support. Holds a BSc IT from the University of Johannesburg with 6 academic distinctions. Thrives in fast-paced, collaborative engineering environments that demand ownership, technical depth, and the ability to deliver across the full stack.

PROFESSIONAL EXPERIENCE

Full-Stack Software Engineer

Self-Employed / Freelance

January 2025 – Present

Johannesburg, South Africa

- Design, build, and deploy production software for clients across South Africa, owning the full project lifecycle from requirements and architecture through development, deployment, and ongoing support
- Built and delivered a multi-campus enterprise Learning Management System for Springfield FET College, featuring 10 role-based dashboards covering academic, finance, and communication workflows
- Built and deployed Baby Pulse, a real-time baby care tracking PWA for South African families with Supabase Realtime, Row Level Security, and subscription billing
- Built and deployed Ordwa, a WhatsApp-native business operating system for South African informal traders, covering invoicing, payments, and customer management
- Built and deployed Posh Tradings, a retail management platform with POS, multi-store inventory, vendor tracking, and real-time analytics
- Delivered a production website for Edcon Tarpave that increased client inquiries by 40%
- Maintains 99.9% uptime across production deployments with automated CI/CD pipelines

KEY PROJECTS

Springfield FET College LMS | *Laravel, PHP 8.3, Next.js 16, TypeScript, MySQL, Tailwind CSS, shadcn/ui* 2026

- Built an enterprise Learning Management System for a multi-campus FET College with 10 role-based dashboards (Super Admin, Campus Head, Facilitator, Assessor, Moderator, Finance Admin, Finance Clerk, Data Capturer, Info Officer, General Support)
- Architected a BFF (Backend-For-Frontend) pattern with a Laravel REST API consumed exclusively through a Next.js proxy layer, so no public API surface is ever exposed
- Implemented the full academic lifecycle: lesson plan creation and approval, assessment publishing, batch result capture, attendance tracking via generated codes, and timetable management
- Built a finance subsystem covering invoicing, multi-method payment processing, invoice lifecycle management, and PDF report generation
- Developed a communication module with individual and bulk SMS via Twilio, email broadcasting, and real-time SMS balance monitoring
- Implemented multi-layered RBAC with campus data isolation, primary and secondary role assignments, and middleware-enforced endpoint-level access control

Baby Pulse: Baby Care Tracking PWA | *Next.js 16, TypeScript, Supabase, Paddle, Tailwind CSS* 2026

- Built a real-time baby care tracking platform for South African parents, co-parents, nannies, au pairs, and family helpers to track feeds, sleep, nappies, medication, moods, notes, moments, and milestones
- Architected a Next.js 16 PWA with Supabase Auth, PostgreSQL, Row Level Security, Storage, Realtime, and Edge Functions for secure family-based collaboration
- Implemented OTP-based signup, password reset, magic link authentication, caregiver invite flows, role-based access control, and secure family onboarding
- Built real-time dashboards, timelines, AI-assisted log parsing, daily insights, PDF exports, push notifications, and offline-friendly logging workflows
- Integrated Paddle subscriptions with monthly/yearly billing, webhook-based activation, cancellation, renewal handling, and subscription-gated access control
- Designed for South African families with POPIA-conscious data handling, private signed media access, caregiver permissions, and mobile-first PWA installation

- Live: babypulse.co.za

Ordwa: WhatsApp-Native Business OS | *Next.js 16, TypeScript, Go, Fiber, Supabase, Tailwind CSS* 2026

- Built a WhatsApp-native SaaS platform enabling South African small businesses to convert customer messages into quotes, invoices, and payment requests
- Architected a Next.js 16 frontend with a Go/Fiber backend and Supabase PostgreSQL, designed for speed and reliability in low-bandwidth environments
- Integrated South African payment methods including Paystack, SnapScan, Capitec Pay, and EFT
- Implemented recurring billing, expense tracking, customer records, and a real-time business analytics dashboard
- Built with VAT compliance and POPIA-compliant data handling for the South African market
- Live: ordwa.co.za

Posh Tradings: Retail Management Platform | *React, Node.js, PostgreSQL, WebSockets* 2025

- Built a retail SaaS platform with Point of Sale, multi-store inventory management, and vendor tracking
- Implemented a centralized management dashboard with real-time analytics, reorder alerts, and exportable sales reports
- Created a vendor module with purchase orders, payment tracking, and performance analytics
- Live: poshtradings.vercel.app

CV Connect: Two-Sided Freelance Marketplace | *React, Node.js, PostgreSQL, WebSockets* 2025

- Built a two-sided marketplace connecting job seekers with employers through a CV-based matching algorithm
- Implemented real-time messaging via WebSockets, secure payment processing, JWT authentication, and role-based access control
- Deployed on Vercel with an automated CI/CD pipeline | Live: cv-connect-app.vercel.app

Edcon Tarpave Corporate Website | *HTML5, CSS3, JavaScript, SEO* 2025

- Designed and built a fully responsive website for a Gauteng civil engineering and paving contractor
- Optimized site architecture for local SEO and configured production hosting, SSL, and DNS
- Result: increased client inquiries by 40% | Live: edcontarpave.co.za

C# Enterprise Application | *C#, .NET Framework, SQL Server, Entity Framework* 2023

- Developed a Windows desktop application using C# with MVC architecture and SQL Server
- Built a role-based authentication system, session management, and comprehensive CRUD operations with full data validation

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, PHP, Go, C#, Python, Java, C++, SQL, HTML5, CSS3

Frontend: React, Next.js, Angular, Vite, Tailwind CSS, shadcn/ui, Responsive Design

Backend: Node.js, Express.js, Laravel, Go (Fiber), .NET Core, ASP.NET, REST APIs, WebSockets

Databases: PostgreSQL, MySQL, SQL Server, Supabase, Database Design, Query Optimization

Mobile: React Native, Expo, Progressive Web Apps (PWA)

Cloud & DevOps: Vercel, Netlify, CI/CD Pipelines, Git, GitHub, Azure DevOps, Postman

Architecture: SaaS, Multi-tenant Systems, RBAC, BFF Pattern, Payment Integration (Paddle, Paystack), Real-time Systems (Supabase Realtime, WebSockets)

Methodologies: Agile, OOP, MVC, Test-Driven Development

KEY ACHIEVEMENTS

- Designed, built, and deployed multiple production software platforms across education, retail, business operations, and childcare sectors
- Built and delivered an enterprise multi-campus LMS for a real institution with 10 role-based dashboards and a full academic and finance lifecycle
- Delivered production SaaS platforms while completing a full-time BSc IT degree, graduating with 6 academic distinctions
- Delivered a client website that increased business inquiries by 40%
- Maintained 99.9% uptime across all production deployments
- Achieved 84% in Computer Science | Certificate of Good Conduct, University of Johannesburg (2024)

EDUCATION

University of Johannesburg
Bachelor of Science in Information Technology (Computer Science & Informatics)
• Graduated with 6 Academic Distinctions (75%+) | Certificate of Good Conduct awarded
• NQF Level 7, 360 Credits | Specialization in full-stack development and software engineering
• Relevant coursework: Software Development, Database Systems, Web Technologies, Mobile Development, Object-Oriented Programming (Java), C#/.NET, SharePoint, Power Platform

Johannesburg, South Africa
2022 – 2025

ADDITIONAL INFORMATION

Languages: English (Fluent)
Availability: Immediate
Work Preferences: Open to Full-Time, Contract, or Freelance, working Remote, Hybrid, or On-site