MPHATHISI NDLOVU

Brief Professional Bio • Background, Specialties & Engineering Focus

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ABOUT ME

Mphathisi Ndlovu is a full-stack software engineer and BSc (Hons) Computer Science student at the National University of Science and Technology (NUST) in Bulawayo, Zimbabwe. Starting from hands-on Linux troubleshooting and systems support in 2022, he grew into an end-to-end product builder who bridges modern web applications, cross-platform mobile engineering, and dependable backend infrastructure.

His technical specialties span TypeScript and Next.js web applications, cross-platform Flutter mobile and Linux apps, Python/FastAPI and PHP backend APIs, and PostgreSQL/SQLite data architecture—with a consistent emphasis on privacy, security hygiene, and offline resilience. Across his independent projects and national hackathons, he has shipped a mobile-and-web healthcare consultation platform (CT MedAid), a 45,000-line peer-to-peer personal knowledge and records vault (Zwanane OS), a Top-10 banking analytics and policy-gated decision engine (eyeC), and multi-channel WhatsApp and web marketplaces (UniRoom, RETURNi, PRUTUS).

What Mphathisi enjoys building most are calm, human-centered systems that turn fragmented, high-stakes information into something clear, structured, and trustworthy. Whether designing a clean mobile timeline for sensitive records, engineering resilient local-first synchronization, or building practical guardrails around data and AI features, he focuses on software that feels effortless to users while remaining clean, auditable, and maintainable underneath.

> **At a Glance**
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> **Core Specialties:** Full-Stack Web (Next.js / TypeScript / React / PHP / FastAPI) • Cross-Platform Mobile (Flutter / Dart) • PostgreSQL & SQLite Architecture • Privacy, PII Protection & Offline-First Sync.
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> **What Drives My Work:** Turning complex, scattered personal and operational data into clean, reliable, user-controlled software.
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> **Collaboration & Timezone:** Fluent written & spoken English • CAT (UTC+2) evening hours align naturally with US business hours.