

Muhammad Nur'Ihsan Berahim

AI Innovation Lead & Systems Architect

14+ Years Systems Engineering, Enterprise Modernization & Autonomous AI Integration

📍 Cheras, Selangor, Malaysia (GMT+8)

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9+ Years

at OpenMinds™

14+ Years

Production
Experience

📖 PHILOSOPHY

Translating business intent into resilient, deployable systems; pioneering autonomous AI workflows with strict verification guardrails; and engineering zero-downtime modernization for critical legacy architectures.

📦 CAPABILITIES

CORE LANGUAGES

TypeScript JavaScript
PHP 8.x Dart Postgres/SQL

FRAMEWORKS & STACK

Next.js 16 Laravel React 19
Drizzle ORM Tailwind v4
WordPress Flutter

CLOUD & AI AGENTS

Autonomous Agents Claude Code
Playwright GCP & Docker
Linux

OpenMinds™

Continuous Engineering

Mar 2017 - Present

AI Innovation Lead

2026 - Present

Enterprise Agentic Integration & Autonomous Developer Enablement

- Direct the deployment of autonomous generative and agentic AI developer tooling (Cursor, Claude Code) across distributed teams to accelerate software delivery.
- Formulate deterministic verification guardrails, automated Playwright E2E test synthesis, and CRM / WhatsApp automation pipelines for live customer operations.
- Pair prompt constraints with formal Architectural Decision Records (ADRs) to eliminate hallucinations and execute complex system modernizations with zero downtime.

Senior Systems Specialist / Full-Stack Developer

Mar 2017 - 2025

Core Systems Architecture & Cloud Infrastructure

- Architected and engineered custom enterprise open-source web platforms and ultra-lean bespoke WordPress architectures with zero visual-builder bloat.
- Designed and shipped cross-platform Flutter applications featuring offline-first data sync engines and robust local SQLite caches for mobile environments.
- Orchestrated Google Cloud Platform (GCP) container infrastructure, automating multi-tenant CI/CD rollouts and database observability.

EDUCATION

2007–2010

Bachelor of Science
Computer Science (Multimedia)

Universiti Teknologi Malaysia (UTM) · KTD

Emphasis on distributed multimedia architectures, algorithmic foundations, computer graphics, and system interface design.

FLAGSHIP MODERNIZATION

12–Yr Monolith Rewrite

Next.js 16 · Postgres · Drizzle

Sanitized 5,151 client records and 7,716 property files into a type-safe modular monolith with zero downtime.

ENGINEERING HISTORY

Lead Developer

Jul 2016 – Jan 2017

Arisa Global Resources Sdn Bhd

- Directed cross-functional engineering teams delivering secure transactional e-commerce platforms and multi-provider regional payment gateway integrations.
- Maintained 99.9% uptime during peak holiday flash-sales by re-indexing critical inventory relational schemas and introducing distributed caching tiers.

Full Stack Web Developer

Feb 2015 – May 2016

Duchess Mercantiles Sdn Bhd

- Engineered custom inventory and supply-chain logistics platforms featuring real-time warehouse audit tracking and dispatch verification.
- Built dynamic reporting engines reducing month-end operational reconciliation from 3 working days to less than 15 minutes.

Application Developer

Jul 2013 – Feb 2015

Fiction Labs

- Engineered interactive client web systems, REST API backends, and bespoke database schemas for media and entertainment enterprise partners.
- Developed cross-platform mobile apps, casual web games (HTML5 Canvas/2D physics), and custom WordPress plugins.

Junior Programmer

Oct 2011 – May 2013

Secretlab Media Sdn Bhd

- Implemented responsive cross-browser user interfaces, optimized web assets, and integrated bespoke CMS backends.