

Muhammad Nur'Ihsan Berahim

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

📍 Cheras, Selangor, Malaysia (GMT+8)

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EXECUTIVE STATEMENT

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

TECHNICAL CAPABILITIES

// CORE LANGUAGES

TypeScript

JavaScript (ESNext)

PHP 8.x

Dart

SQL (Postgres/MySQL)

HTML5 / CSS3

// FRAMEWORKS & SYSTEMS

Next.js 16 (App Router)

React 19

Drizzle ORM

Tailwind CSS v4

WordPress (Core/CanAI)

Flutter

// CLOUD & PERSISTENCE

PostgreSQL

Google Cloud Platform (GCP)

Podman / Docker

Linux Systems

Nginx Reverse Proxy

// AI WORKFLOWS & QUALITY

Autonomous Agent Workflows

Claude Code / Cursor Pipelines

Playwright E2E Verification

Architectural Decision Records (ADRs)

CI/CD Production Pipelines

CAREER TIMELINE & TECHNICAL LEADERSHIP

OpenMinds™

9+ YEARS CONTINUOUS IMPACT

March 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

March 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.



SIGNATURE MILESTONE

Enterprise Modernization

Next.js 16 · Postgres · Drizzle · Argon2

Rewrote a 12-year-old unvalidated PHP 5 codebase into a type-safe modular monolith. Sanitized 5,151 client records and 7,716 property files with zero downtime.



HARDWARE & IDENTITY

MyKad Smartcard Verification

Built desktop application interfacing with Malaysian National Identity Cards (MyKad) using APDU reader protocols for automated client verification.



EXPERIENCE (CONTINUED)

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.