

KHOIRUL MUTAQIN

FULL-STACK WEB DEVELOPER & SYSTEMS ENGINEER

Wonosobo, Central Java, Indonesia (Open to Remote / Global)

irulmtq097@gmail.com | +62 851-359-36198

khairul-mutaqin-portfolio.pages.dev

github.com/Nach097 | linkedin.com/in/khairul-mutaqin

EXECUTIVE SUMMARY

High-impact **Full-Stack Web Developer and Systems Engineer** with proven expertise designing resilient e-commerce platforms, low-latency native Android network accelerators, C++ Chromium privacy modules, and AI-assisted tooling. Proven track record executing end-to-end technical decisions from architecture design to automated testing, continuous integration, and global CDN deployment. Dedicated to sub-millisecond execution, zero-bloat codebase, and dependable user experiences.

CORE TECHNICAL COMPETENCIES

Frontend & Web Architecture

TypeScript, JavaScript (ESNext), Astro, React.js, Tailwind CSS, Responsive UI/UX, Core Web Vitals (100/100).

Backend, Cloud & Headless CMS

Node.js, REST APIs, Cloudflare Edge Workers & Pages, Sanity CMS (v3 Studio), PostgreSQL, SQLite, Firebase.

Native Systems & Networking

Android SDK (Java), VpnService API, C++20 (Chromium Core), DoH (DNS-over-HTTPS), UDP Routing, GoogleTest.

DevOps & Quality Assurance

Git, GitHub Actions, Automated CI/CD, Memory Safety Isolation, Static Analysis, Unit & E2E Testing.

FEATURED ENGINEERING PROJECTS & EXPERIENCE

Nachth Store — Live Commercial E-Commerce Platform (nachthstore.com)

2025 – Present

Founder & Lead Full-Stack Engineer | Tech: Astro, TypeScript, Tailwind CSS, Cloudflare Edge, WhatsApp API

- Architected and launched a live commercial e-commerce storefront with instant product search, real-time stock status, and direct WhatsApp checkout automation.
- Achieved 100/100 Core Web Vitals and sub-500ms initial load times via Cloudflare Global Edge caching and zero-runtime CSS.

Niki Browser Core & Android Application — Privacy-Centric Browser Engine

2026

Chromium C++ Core Developer & Systems Engineer | Tech: C++20, Chromium Core, Android SDK (Java), GoogleTest

- Engineered native C++ URL interceptor modules for sub-millisecond (<0.2ms) tracking token stripping (utm_* , fbclid , gclid).
- Implemented anti-tamper epoch shield timers, isolated crash rescue state recovery, and an encrypted biometric vault on Android.
- Delivered a signed release Android APK with 100% test pass rate across all engine test runner suites.

Niki VPN Turbo & Gaming Accelerator — Standalone Android Application

2026

Android Systems & Network Engineer | Tech: Android SDK, Java, VpnService API, UDP Optimization, Custom HUD Canvas

- Developed a lightweight signed Android release APK (13.27 MB) utilizing Android VpnService with dual-channel packet synchronization.
- Created a live in-game floating ping HUD overlay and low-latency gaming DNS switching optimized for 30+ mobile titles.

VoxFlow Workspace — Local AI Dubbing & Diarization Workspace

2026

Web Application Developer | Tech: TypeScript, React, Web Audio API, SRT Engine, Local Storage

- Designed an offline-capable web application for automated audio diarization, subtitle cue timing, and batch media export.

VERIFIED CREDENTIALS & CERTIFICATIONS

- IBM SkillsBuild:** Web Development Fundamentals (Earned 2026) — Verified foundational mastery in modern web architectures and semantic web standards.
- Dicoding Indonesia:** Programming & Cloud Fundamentals — Certified in modern JavaScript development patterns and cloud deployment workflows.
- Sanity Headless CMS:** Content Modeling & Studio v3 Production Architecture — Certified in headless schema design, GROQ queries, and real-time live preview.

EDUCATION & LANGUAGES

Formal Education: Informatics & Computer Science Background · Wonosobo, Indonesia

Languages: Indonesian (Native), English (Professional Working Proficiency)