

Abdol Hamid

(+84) 981192884 | abdolhamid.dev@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

Vietnam National University Ho Chi Minh City – An Giang University

Graduated: Jun 2026

Bachelor of Information Technology

TECHNICAL SKILLS

Languages (ordered by proficiency): TypeScript (Advanced), JavaScript (Advanced), SQL (Intermediate), Python (Intermediate)

Tools and Frameworks: React, Next.js, Tailwind CSS, Framer Motion, shadcn/ui, Node.js, Express.js, PostgreSQL, Prisma ORM, Redis, Docker, Git, GitHub Actions, Linux, Vitest, Jest, Socket.IO, BullMQ, Cloudflare Pages (Edge Runtime), JWT, Server-Sent Events (SSE), REST API Testing, JSON-LD Structured Data, MCP Server Card, A2A Agent Card, Web Bot Auth, LLMs.txt

RELEVANT EXPERIENCE

KIM QUANG BAKERY | Full-Stack Developer

Aug. 2024 - Present

Production e-commerce site for a traditional Halal bakery - kimquangbakery.io.vn

- Architected and shipped a production-ready e-commerce platform with Next.js 16 + React 19 + TypeScript, serving a niche Halal confectionery brand with full order, blog, and review workflows.
- Engineered an advanced SEO layer 7+ JSON-LD schema types (LocalBusiness, FAQPage, BreadcrumbList, Speakable, etc.), multi-language metadata (vi/en), dynamic sitemap, and LLMs.txt targeting both Google and AI discovery engines.
- Integrated a Telegram Bot order-notification pipeline delivering real-time customer alerts to business owners with zero backend infrastructure cost.
- Optimised Core Web Vitals via Edge Runtime on Cloudflare Pages, AVIF/WebP lazy-loaded images via Cloudinary CDN, React Compiler, and code splitting reducing TTFB to sub-100 ms.
- Implemented cutting-edge AI/agent discoverability: Web Bot Auth (JWKS), OAuth 2.0 / OIDC discovery (RFC 9728), MCP Server Card (SEP-1649), and A2A Agent Card.
- Built full-text fuzzy search (Fuse.js) with Cmd+K shortcut, and an MDX blog system with syntax highlighting (Shiki), category tagging, and bilingual content support.

MOBIFONE | IT Intern

Mar 2025 - Jun. 2025

Software Engineering Intern - [Github](#) | [Link live](#) | [Bachelor's Thesis](#)

Full-Stack Development & System Architecture

- Led full-stack development of an enterprise telecom e-commerce platform (Laravel 11), covering the complete business lifecycle from marketing to customer service.aa
- Architected a complex database schema (25+ tables) with RBAC, real-time chat, OTP authentication, and third-party telecom integrations.
- Deployed production on Render with GitHub Actions CI/CD and Aiven cloud DB, ensuring a scalable, maintainable architecture.

Automation & Process Optimization

- Built an Excel-based automation tool for business-directory data extraction, reducing processing time from ~8 hours (4–5 staff) to under 2 hours (1 person) – a 75% efficiency gain.
- Developed a digital platform handling SIM sales, package subscriptions, MNP registration, and international services with Excel import/export, eliminating manual data entry.
- Designed a comprehensive admin panel with 20+ modules, granular permissions, QR codes, real-time notifications, and data export for operational efficiency.

Infrastructure, Support & Monitoring

- Delivered Level-1 technical support (hardware, software, network) to maintain enterprise system uptime across branch offices.
- Assisted in monitoring enterprise servers, network infrastructure, and ITSM workflows under operational SLAs.

Business Development & Field Sales

- Participated in B2B field-sales campaigns (SIM cards, Loa Thần Tài devices) targeting SMEs, schools, and cooperative districts across An Giang province.

PROJECTS

HALALCHAIN | Supply Chain Compliance & Traceability Platform

Jan. 2026 - Present

Full-Stack Developer - [Github](#) / [Link live](#)

- Designed and built an end-to-end Halal supply-chain compliance platform covering certification management, QR-based product traceability, compliance monitoring, and operational workflow automation.
- Engineered a Compliance Automation Engine with Node-Cron scheduled rule execution, reducing compliance risk exposure by 80% and saving 10+ operational hours per week.
- Architected a real-time event-driven notification system using [Socket.IO](#), SSE, Redis, and BullMQ – cutting alert latency from hours to <100 ms.
- Developed a QR-based Product Traceability Engine allowing consumers to verify origin and certification history without authentication.
- Implemented a real-time Compliance Score using weighted risk factors and live audit data, providing transparent, quantified compliance assessment.
- Shipped v2.0 production-grade observability upgrade: Ping structured JSON logging, comprehensive health checks (PostgreSQL / Redis / BullMQ / memory), graceful SIGTERM shutdown, automated daily DB backups with gzip compression and 7-day retention, and a feature-flag system with hash-based percentage rollout – adding 25+ new API endpoints across 5 phases in ~3,500 lines of new code.
- Delivered multilingual support across 6 languages (EN, VI, MS, ID, AR, TH) including Arabic RTL layouts for Southeast Asian market expansion.
- Built 20+ REST API endpoints and 16+ application pages; applied RBAC (Admin / Manager / Staff), Zod input validation, and full audit logging throughout.

CERTIFICATIONS

Google Gemini Certified University Student | [Credential](#)

Google - 2025

VSTEP English Certificate – B1 (Vietnamese CEFR Level 3/6) | [Credential](#)

Apr - 2026