Dan Vu

AI Engineer · Full-Stack Developer · AI Product Builder

London, Ontario, Canada · Eligible to work in Canada without sponsorship
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SUMMARY

Full-stack developer specialising in AI-powered applications and SaaS platforms. I take products from idea to architecture to deployment — 30+ AI applications across EdTech, Healthcare, HR Tech, Legal Tech and creative automation — and bring 17 years of hospital-equipment operations to healthcare AI.

Proven outcomes include 40–70% workload automation, 25% faster release cycles, 2–4× user-engagement growth.

CORE SKILLS

AI & automation	OpenAI, Gemini, Claude, LangChain, Python, Whisper, Vector search, RAG, Prompt engineering
Web & app	TypeScript, React, Next.js, Node.js, Express, REST APIs, React Native
Cloud & data	Supabase, Firebase, PostgreSQL, MongoDB, Cloudflare R2, Vercel, Docker
SaaS & product	Multi-tenant architecture, RBAC auth, Stripe billing, Product analytics, CI/CD, System design

EXPERIENCE

Full-Stack Developer / AI Product Builder — Jun 2023 – Present
Cognito Technology Canada Inc. · Ontario, Canada · Remote

- Designed and shipped multiple AI-powered SaaS platforms used across education, immigration and automation workflows.
- Built an AI immigration assistant that reduced support workload by 40%.
- Developed an EdTech quiz platform that improved student retention by 35%.
- Increased user engagement by up to 60% through UX improvements and AI-driven personalisation.
- Designed a multi-tenant SaaS architecture that reduced deployment time by 25%; integrated Supabase, Stripe billing, RBAC and product analytics.

Coding Expert — AI Model Training — Feb 2024 – Present
Outlier AI · Remote

- Evaluate AI-generated code and explanations to improve LLM reasoning.
- Authored 300+ programming prompts and code tasks for model training.
- Improved model output accuracy by ~30% through structured feedback across Python, JavaScript, algorithms, debugging and system design.

Vice Director — Medical Equipment & Operations — Oct 2002 – Jun 2019
Quang Anh Co., Ltd · Hanoi, Vietnam

- Led operations, product deployment and vendor partnerships for hospital-grade medical equipment.
- Managed teams across sales, installation, training and technical support.
- Worked directly with hospitals, doctors and Ministry of Health stakeholders — the domain grounding behind my healthcare AI work.

Earlier (2001–2021): Management and sales roles in healthcare and consumer goods: project management, vendor coordination, client support and product deployment.

SELECTED PROJECTS

DanAI Deep Research — An evidence-first research workspace that turns complex questions into clear, source-grounded reports.
`Next.js · LLM orchestration · Vercel · PWA · dan.ai.vn/projects/danai-deep-research`

Vững Lái — On-device AI driving assistant for Android that keeps a safe following distance — free, no ads, no account.
`Android · On-device ML · Computer vision · GPS · dan.ai.vn/projects/vung-lai`

MediScanAI — Multimodal medical-data review workspace across seven specialties, with clearly bounded AI assistance.
→ Prototype evaluated at 3 clinics
`Next.js · Python · FastAPI · YOLOv8 · Gemini Vision · dan.ai.vn/projects/mediscan-ai`

DanAI Tử vi Studio — Deterministic chart engine plus AI interpretation that cites the evidence behind every statement.
`Next.js · Deterministic calendar engine · LLM · Vercel · PWA · dan.ai.vn/projects/tu-vi-studio`

AImpress Studio — AI-assisted photo restoration: repair, colourise and expand old photographs with careful review against the original.
→ 2,000+ users
→ Manual Photoshop workload reduced by 40%
`Next.js · Supabase · Cloudflare R2 · OpenAI · Stripe · dan.ai.vn/projects/aimpress-studio`

Canada CRS Companion — Tracks every Express Entry draw, places your CRS score against recent cut-offs and alerts you on Telegram.
`Next.js · Telegram Bot API · Vercel · PWA · dan.ai.vn/projects/canada-crs-companion`

GreenSchool Education Suite — CRM and AI tools for a preschool network, including an AI STEM lesson planner.
→ Teacher prep time cut from 3 hours to 15 minutes per lesson
`React · Node.js · Gemini · Supabase · dan.ai.vn/projects/greenschool-education`

TalentMatchAI — Résumé screening and candidate matching that extracts skills, ranks candidates and writes recruiter summaries.
→ Screening time per candidate reduced from 12 minutes to under 60 seconds
`Next.js · Pinecone · OpenAI Embeddings · Supabase · dan.ai.vn/projects/talentmatch-ai`

EDUCATION

Fanshawe College — Web Development & Internet Applications
GPA 4.17 / 4.2 · President's Honour Roll · Dean's Honour Roll (all 4 terms)

Foreign Trade University — BA, International Business Economics

Thai Nguyen University — BA, English

CERTIFICATIONS

IBM — AI Engineering · IBM — Full-Stack Developer · Meta — Android Developer · (ISC)² — Certified in Cybersecurity · Johns Hopkins — Healthcare IT Support · Google — Digital Marketing & E-commerce

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LANGUAGES & AVAILABILITY

English (fluent) · Vietnamese (native). Open to full-time roles across Canada — remote, hybrid or on-site.
