Khanin Chomphusri



AI-first Product Engineer · Flutter, TypeScript & LLM Systems

Product engineer across Flutter, TypeScript and LLM systems. Architected the Flutter/Dart design system behind myAIS (10M+ monthly users): 4,000+ typed tokens, ~100 widgets, 90%+ widget-test coverage. Builds and ships AI products end to end: MCP servers, a live LLM chatbot with evals, and Claude Code agent pipelines.

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TECHNICAL SKILLS

Web & Flutter	TypeScript, JavaScript, Angular 20–22 (signals, SSR), RxJS, HTML / CSS / SCSS, Flutter, Dart, BLoC / Cubit, Riverpod, Web Audio API, Chart.js
Quality & Docs	Design systems & tokens, widget testing (90%+ coverage), performance profiling, responsive UI, technical documentation (Widgetbook), code reviews, Git
AI & Backend	Claude (Claude Code, subagents), MCP servers, Gemini, RAG (LangChain, ChromaDB), LLM evals, Node.js / Express, FastAPI, PostgreSQL, Cloudflare

WORK EXPERIENCE

Senior Flutter Developer — Jul 2023 – Present
Oivan Digital — serving MimoTech AI / AIS — Bangkok, Thailand
Finnish consultancy; UI consultant and tech lead for the myAIS app design system at AIS, Thailand's leading telecom.

- Architected the Flutter/Dart design system for the myAIS app (10M+ monthly users): a 3-tier system of 4,000+ typed tokens and ~100 widgets.
- Delivered 3 major package versions used by 100+ developers; cut widget payloads by 40% (1,000 → 600 lines) through profiling and refactoring.
- Maintained 90%+ widget-test coverage and Widgetbook docs (50+ widgets, 150+ use cases) as the source of truth for Product, Design and QA.
- Built a working Angular 21 + FastAPI RAG platform for ZATCA (Saudi tax authority) in 4 days, moving the client to proposal; mentor 4 developers.

Mobile Developer (Angular / Ionic) — Freelance — Mar 2017 – Aug 2017
Tech Lead Innovation — serving Krungthai Bank — Bangkok, Thailand
First professional software engagement: solo developer on a production mobile banking app.

- Implemented fund redemption and subscription features end-to-end in Angular, Ionic and TypeScript, integrated with the bank's REST APIs.
- Shipped the features to production while following the bank's security and compliance requirements for financial transactions.

Research & Development Manager — Aug 2012 – Jun 2023
Sathien Plastic & Fiber Group — Thailand
Automotive parts manufacturer; owned the R&D function end-to-end, reporting to executive leadership.

- Built and led a multi-disciplinary R&D team of 8+ engineers, draftspeople, technicians and prototyping staff.
- Took 10 automotive parts products from concept to mass production, owning design, prototyping, tooling and production hand-off.
- Applied lean PDCA / Kaizen processes and cost analysis to improve production workflows and product margins.

WORK EXPERIENCE, CONTINUED

Mechanical Engineer, R&D / Engineering
Jul 2010 – Jul 2012

Toyota Motor Thailand — Thailand

- Designed prototype wire harness modifications and ran durability and functional field tests for new vehicle models.
- Completed formal Toyota Production System training: Genchi Genbutsu, A3 problem solving and Kaizen.

PERSONAL PROJECTS

AudioArenaLab · audioarenalab.com · youtube.com/@AudioArenaLab — Solo Founder & Developer

- Built an Angular 20 (SSR, signals) platform comparing 33 headphones: real-time A/B playback with in-browser waveform, spectrum and frequency-response analysis.
- Automated a YouTube / TikTok comparison-video pipeline with HyperFrames and 4 Claude Code subagents: 57 videos and 10K+ views, tracked against site traffic in GA4.
- Added a GitHub Actions check that boots the SSR server behind proxy headers after a production outage; Firebase Auth, saved comparisons, admin CMS.

khanin.ch · AI portfolio with recruiter chat — Solo Developer

- Built an Angular 22 site on Cloudflare Workers where Claude answers recruiters from a career knowledge base, streamed with fact cards and sources; $0 hosting.
- Guarded it with a 30-case promptfoo eval suite (facts, salary, prompt injection, Thai), build-time private-data checks and D1 chat analytics.

JarnHook · jarnhook.com · LINE @jarnhook — Solo Founder & Developer

- Built and launched a Thai AI fortune-telling chatbot on LINE in 3 weeks: Gemini text and image generation, user memory, PromptPay payments.
- Node.js / Express 5 and PostgreSQL on Render; 30 test files written test-first, plus promptfoo LLM evals guarding persona and behavior.

Convert Rai · iOS & Android — Flutter Developer

- Published a Flutter app that converts Thai land units (rai, ngan, square wah) to metric in real time; live on the App Store and Google Play.
- Designed Riverpod state so every input updates every unit live without feedback loops; Hive local storage; built from a professional designer's UI.

EDUCATION

Master of Science: Engineering Design
2008 – 2009

Loughborough University, United Kingdom

Bachelor of Engineering: Mechanical Engineering
2004 – 2008

SIIT, Thammasat University, Thailand

Full 4-year scholarship (top entrance exam score)

CERTIFICATES

UI/UX Design Specialization — California Institute of the Arts via Coursera

Introduction to Git and GitHub (100%) — Google via Coursera

Build AI Agents using MCP (95.28%) — IBM via Coursera

Machine Learning (93.23%) — Stanford University via Coursera

LANGUAGES

Thai	Native Language
English	Full Professional Proficiency (TOEIC 895/990)