



Chan Meng

AI Agent Architect · Full-stack Engineer · AI Tooling Engineer

« Subtraction for life, addition for thought. »

5,856 LinkedIn followers · 26 recommendations · 1,103 newsletter subscribers

480+ GitHub stars · 218 followers · 2 merged PRs into CopilotKit (36.1k-star project)

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Introduction

Helps founders and mission-led teams get an AI product past the demo and into the hands of people who depend on it — work that has to hold up behind paying customers, private health data, and regulated processes. Ships MCP servers, sub-agents, and agent skills to production, most often in **women's health, cultural technology, and early-stage startup infrastructure**. Works AI-native by default — directing coding agents and building on the Claude Agent SDK — while keeping the call on what actually ships a human one.

Experience

Founder & Sole Engineer

ArchCanvas · Apr 2026 — Present
Auckland, New Zealand · Remote

Architects and self-builders describe a building in plain words and get back a dimensioned, buildable floor plan. Made that work by first inventing **ArchLang**, the open-source language that compiles a floor plan into a precise drawing (**34 npm releases, 83 diagnostic codes**), then building the commercial product on top — so an edit is exact and replayable, not regenerated.

Senior Full-Stack Engineer & Website Team Lead

She Sharp · Jul 2025 — Present
Auckland, New Zealand · Hybrid

A volunteer-run NZ women-in-STEM charity (**96+ events since 2014**) now owns the software it runs on instead of renting it: one system for sign-ups, memberships, events, and mentor matching scored by GPT-4o-mini across five weighted dimensions. Recruited by founder Dr Mahsa Mohaghegh, built it as sole engineer across **13.3 months** and still operate it. Then rewrote the charity's recurring work — event setup, newsletters, posters, video, mailing list — as **11 agent skills**, version-controlled and type-checked in CI, so non-engineers now run work that used to need an engineer.

Chief Technology Officer

FemTech Weekend · Mar 2025 — Present
Chengdu, Sichuan, China · Remote

China's first women's-health-technology organisation outgrew its web platform twice as the mission grew; rebuilt it both times as sole engineer, Next.js marketing site to Docusaurus editorial and research platform. Ran the digital infrastructure behind the 2026 Shanghai Summit: four days, **20 confirmed speakers**, headlined by Ida Tin, who coined "FemTech".

Founding Principal Engineer, Activation, Execution & AI Systems

GAVIGO Inc. · Oct 2025 — Sep 2026
Wilmington, Delaware, United States · Remote

Tap a game in a feed and it plays instantly, with no app-store install — built the Intelligence Layer that makes GAVIGO's activation platform hold that promise under load. Go orchestrator: a seven-trigger AI rules engine, a warm-pool manager and a five-state activation spine in Redis, on live Kubernetes (GKE) — **sub-millisecond p50 restore, an 84.6% warm-pool hit rate, zero errors at 100 concurrent WebSocket clients**, and a DigitalOcean → GCP move in a **30-minute cutover**. Built it solo; promoted Core Engineer → Founding Principal across three contracts.

What I Bring to a Team

- **Your AI feature survives contact with real users.** Compliance and money-handling steps guarded in code, not just in prompts.
- **Your latency and your AI spend stay predictable.** Model-tier routing with a measured fallback, prompt caching, and evaluation harnesses with documented failure modes.
- **Your customers' data stays separate, and stays theirs.** Per-customer isolation (multi-tenant), durable error handling, observability.
- **The decisions that are expensive to undo get made once.** Discovery-first planning, structured CI output, guardrails enforced in code rather than by instruction.
- **Everyone around you ships faster too.** Internal CLIs, IDE hooks, and MCP servers that compound across the engineering org.

AI Engineering & Tooling

CLAUDE CODE — SHIPPED SURFACES

CLAUDE.md Skills Subagents Hooks
Status line Plugins

CODEX CLI — DAILY DRIVER

AGENTS.md Sandbox + approvals
Headless mode

WHAT I AUTOMATE BEYOND CODE

Typst PDFs CI/CD pipelines Slack apps
Agent teams Code review Internal CLIs

AGENT SDKS & FRAMEWORKS

Claude Agent SDK OpenAI Agents SDK
LangGraph LangChain CopilotKit
Vercel AI SDK

PRODUCTION AI PATTERNS

MCP (Model Context Protocol) RAG pipelines
Prompt caching Multi-agent orchestration
JSON Schema outputs
Model-tier routing + fallback

QUALITY & OBSERVABILITY

Vitest Cypress mcp-evals Lighthouse
OpenTelemetry web-vitals

AI Instructor & Mentor

TechNest Community · Apr 2026 — Aug 2026
St John's, Newfoundland, Canada · Remote

30 students graduated and shipped 6 deployed multi-user AI products in 12 weeks: they arrived knowing only browser ChatGPT and left able to build by directing coding agents. Sole instructor of TechNest's first AI-specialised track, and a **fifth teaching cohort since 2024**.

Previously: AI Agent Architect at **Engram** (Albuquerque, NM · remote; recruited onto **Anthropic's Partner Network architect track** after founder Luka Madzarac's own Claude agent surfaced Chan's open-source portfolio — publicly confirmed by him; 45-day Architect Cohort on agent, skill and MCP-integration conventions) · CTO at **Sanicle** (Tulsa, OK; promoted from Senior AI/ML Infrastructure Engineer; the IBM watsonx integration behind Sanicle's **IBM Silver Partner** certification) · **ByteDance backend developer** (Douyin Mall capstone, Youth Training Camp; Spring Boot 3) · **full-stack developer & lead documenter** at **CORDE** (Canterbury, NZ; offline-first React Native field app, #1 contributor) · **Forward With Her mentor** (China · remote; 7 of 26 LinkedIn recommendations).

Selected Projects & Products



Tam-AI-Ti tamaiti.whiri-ai.com/

An AI financial-wellness app for Māori communities, built around te ao Māori · an independent research commission from Riria (Missy) Te Kanawa personally (former KPMG NZ National Māori Sector lead, now Māori Executive Lead at ASB Bank; ASB was not a party to it).

- **A research question, not a spec:** can technology built natively on Māori culture engage people that culturally-decorated tech does not? Built solo — bilingual voice and journaling, with culture as typed data (Maramataka phases, Te Whare Tapa Whā domains), not labels.
- **Answered with users, not opinion:** a **19-user cohort over 4 months**, 181 journal entries, 74 check-ins, no marketing.



Vitex — AI Career Agent www.vitex.org.nz/

Paste a job description, get a tailored resume and cover letter scored against the job's keywords in under 30 seconds · sole-authored over ~18 months · Vercel AI SDK + gpt-5.5 / gpt-5.4-mini + Typst.

- **Typst compiles the finished PDF locally in under 100 ms** across 7 templates — no hosted Chromium — so the resume assembles in front of the job seeker instead of behind a spinner.
- **Metered on the product, not the clock:** a run counts only after a PDF compiles. Three migrations, zero downtime.



Google News MCP Server github.com/ChanMeng666/server-google-news

One of the earliest MCP servers — live Google News for AI assistants, shipped 35 days after Anthropic's Nov 2024 MCP launch.

- **Shipped before MCP had a registry**, so listed by hand across 15+ catalogs — a first-mover position that compounded into a PulseMCP "Top Pick", a Glama A-rating and **126 GitHub stars**.



echook github.com/ChanMeng666/echook

An AI-operated hooks plugin for **Claude Code**, **Cursor IDE** and **Codex CLI**, installed and driven entirely in natural language.

- Audio notifications grew into a **context-window status line** and session telemetry — the production work behind shipping **four** Claude Code extension surfaces: hooks, skills, status line and plugin packaging.



AI Programming Education Platform programming.chanmeng.org/

Bilingual platform holding **three years of cohorts as five versions side by side**, **three concurrent in 2026** — taught from by **TechNest's 2026 AI Track** and **academyEX's Her Waka**, and built and maintained solo.

- **In-course RAG assistant on Cloudflare Workers** (Llama 3.1 8B + Vectorize + KV) over **~4,800 chunks**, **version-aware**, so each student is answered from their own cohort's material; a deprecated model was swapped out the same day.
- **Mentorship at scale:** Demo Day ends in a **public Capstone Showcase** of student products (CreditHero, iCare, JobOrg-AI), with guest voting.

Also built: eatropolis.co.nz (Auckland's official culinary festival, for Chow Luck Club Ltd with council agency Tātaki Auckland Unlimited) · [ai1y-loop](#) (accessibility CLI for coding agents, validated by the disability-led NZ organisation that set the problem) · [Seismophone](#) (first public Suno remix-lineage explorer) · [gradient-svg-generator](#) (355 SVG templates).

Stack

MODELS

Claude Opus 5 / Sonnet 5 / Haiku 4.5
OpenAI gpt-5.5 / GPT-4o + realtime Gemini 2.x
Llama 3.x

APP FRAMEWORKS

Next.js 16 React Vue 3 Spring Boot 3
FastAPI TailwindCSS Drizzle ORM Zod

INFRA & DATA

Kubernetes GKE Cloudflare Workers + Vectorize
Neon Postgres + pgvector Supabase
Docker + Traefik Redis Stripe Stack Auth
NextAuth 5

LANGUAGES

TypeScript Python Go Java SQL Typst

Certifications & Training

Anthropic (6 · 2025–2026)

- **Building with the Claude API** · Intro to MCP · Intro to Agent Skills · Claude Code in Action · AI Fluency: Framework & Foundations
- **Claude Certified Architect — Foundations** — curriculum completed, practice exam passed; Anthropic Partner Network track via Engram

Other AI / Cloud (2024–2025)

- **Google AI Essentials** · **Microsoft Azure AI Essentials** · **Generative AI Career Skills** · **Wolfram Machine Learning Foundations** · **GitHub Professional** · **Docker Professional** · **Microsoft Software Development**

Engineering & platforms (50+ total)

- **HackerRank Software Engineer** + 22 skill certifications — **SQL (Advanced)** · Problem Solving · Go · Node.js · React · Angular · **Microsoft** (Azure · System Administration · Project Management) · **C++ Institute** · **Anaconda Python** · **Atlassian Agile** · **Mozilla**

Recognition

- **UN CSW 69 Speaker** — UN HQ NYC, Mar 2025 · presented by video link · attracted **IBM pilot interest** and an endorsement from Sierra Leone's Minister of Gender and Children's Affairs.
- **Outstanding Mentor Award** — Aotearoa AI Hackathon Festival, **two years running** (2025: 1 of 14 expert mentors, 11 teams / 80+ participants · 2026: 12 teams, 125 registered, MC'd the opening).
- **Excellence Award** — FemTech China (Women's Health Technology Challenge, Dec 2024).
- **UN Women FemTech Hackathon — Outstanding Performer** — FemTech Weekend, Beijing (Mar 2025).

Education

Master of Applied Computing

Lincoln University — New Zealand
Nov 2023 — Dec 2024
Distinction (80%+) · Dean's List, Top 5%