



# 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. When plans drawn as pictures proved impossible to check, invented **ArchLang**, the open-source language that compiles a plan into a precise drawing (**53 npm releases, 139 diagnostic codes**), and rebuilt the product on it — so an edit is exact, not regenerated.

### 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; rebuilt it both times as sole engineer, remotely. Built everything the 2026 Shanghai Summit ran on online, including an application system the founder reviews in batches: four days, **20 confirmed speakers**, headlined by Ida Tin.

### Senior Full-Stack Engineer & Website Team Lead

She Sharp · Jul 2025 — Sep 2026  
Auckland, New Zealand · Hybrid

A volunteer-run NZ women-in-STEM charity (**96+ events since 2014**) moved off rented software onto a system it owns: sign-ups, memberships, events, and GPT-4o-mini mentor matching. Recruited by founder Dr Mahsa Mohaghegh, led the build across **13.3 months**, including a **1,549-person** mailing-list cutover with **0 failures**. Rewrote the charity's recurring work — event setup, newsletters, posters, video — as **11 agent skills** a non-engineer can follow, so the handover was written down before leaving.

### 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.

### 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**.

## 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

## Chief Technology Officer

Sanicle · Mar 2025 — Feb 2026  
Tulsa, Oklahoma, United States · Remote

A US women's-health startup needed its product off a no-code prototype and into IBM's partner network. Promoted from Senior AI/ML Infrastructure Engineer to CTO leading a **team of five**; rebuilt it as a multi-tenant B2B SaaS for employees and HR teams, and built the IBM Watsonx integration and live demo behind Sanicle's **IBM Silver Partner** certification.

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; credentials behind Engram's Partner Network approval) · **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/](https://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/](https://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](https://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](https://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/](https://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](https://eatropolis.co.nz) (Auckland's official culinary festival, for Chow Luck Club Ltd with council agency Tātaki Auckland Unlimited) · [aiIty-loop](#) (accessibility CLI for coding agents, being adopted by My Life My Voice, 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%