

Tung-Chin Lee

Full Stack Engineer | Rails · PostgreSQL · AI-Assisted | 5+ Years

Fully remote · Async-first · Based in APAC (UTC+8)

tungchinli@gmail.com

github.com/tungchinlee

SUMMARY

Product-minded engineer with 5+ years shipping web products end to end, most recently on a gaming platform with 3.8M users. I use AI aggressively in my daily work: I took a full SaaS product (WCAG Pulse: crawler, headless-browser scanning, Stripe subscriptions, multi-tenant accounts, reports and notifications) from idea to launch with AI-assisted development (Claude Code), and built Claude Code workflows that automate ticket kickoff, MR descriptions and code review rules for my team. Comfortable working async and writing clearly in English.

SKILLS

AI Workflow	Claude Code daily: custom skills, agents and rules; AI-assisted product development
Back End	Ruby, Ruby on Rails 6/7, Grape (REST API), RSwag / OpenAPI, Pundit
Front End	JavaScript, Hotwire (Turbo / Stimulus), ViewComponent, Tailwind CSS; some exposure to Vue.js
Databases	PostgreSQL, MySQL (PlanetScale), Redis; query optimization, N+1 fixes, batched queries on large tables
Integrations	Stripe (subscriptions + webhooks), SendGrid, Mailgun webhooks, Slack / Teams notifications, game provider APIs, Facebook API
Background Jobs	Sidekiq, sidekiq-cron, sidekiq-scheduler, whenever
Cloud / Tools	Linux, command line, Git, GitHub, GitLab CI, Jira, AWS S3, AWS Lambda, AWS Redshift, AWS Kinesis, AWS QuickSight
Testing	RSpec, RuboCop, Bullet

SELECTED PROJECT

WCAG Pulse AI-assisted (Claude Code) Dec 2025 – Sep 2026

Website accessibility scanning SaaS built with AI-assisted development (Claude Code) · 339 commits

Rails 7.2 PostgreSQL Sidekiq Ferrum axe-core Stripe

- Site crawler that discovers pages from sitemaps first, then follows on-page links, with a max-page limit
- Renders each page in headless Chrome (Ferrum) with resource blocking, injects axe-core and maps violations to WCAG 2.1 criteria
- Scans pages in parallel; background scans and recurring jobs with Sidekiq / sidekiq-scheduler
- Multi-tenant organizations, Stripe subscriptions and webhooks, CSV / PDF reports, Slack and Teams notifications
- Spin-off Policy Pulse: added a scanner that checks websites for Google Consent Mode v2 signals

EXPERIENCE

JV DIAMOND TECHNOLOGY LIMITED Back End Developer Aug 2023 – Jul 2026

Feature development for a multi-brand online gaming platform

Ruby 3.1 Rails 7.0 Grape MySQL / PlanetScale Sidekiq Redis RSwag

- Built internal AI tooling to cut repetitive work: Claude Code workflows for Jira ticket kickoff, auto-generated MR descriptions, Jira status sync, integration scaffolding and code review rules
- Built features on large agent / user trees (500K+ agents, 3.8M users, 20+ levels deep), writing batched SQL queries and eager loading to keep them fast
- Built player-facing and admin REST APIs (Pundit authorization), documented with Grape + RSwag
- Used database-level safeguards (unique constraints, upserts, row locks) so background job retries never paid out twice

- Integrated third-party game provider APIs, supporting both single-wallet and transfer-wallet models
- Took shifts in the IT support rotation: triaged reported bugs, traced root causes and shipped fixes

5xRuby Co., Ltd. Back End Developer

Jul 2022 – Jul 2023

Rails 7 PostgreSQL Hotwire ViewComponent Tailwind Sidekiq Pundit RSpec

PAKA Time Clock System Web + mobile app API · core developer

- Built the mobile clock-in API: clock in/out, WiFi-based clock-in settings, profile, password change
- Built missed-punch appeal, resignation and reviewer assignment flows
- Shift calendar with FullCalendar; scheduled import of Taiwan public holidays with whenever
- Integrated the Taiwan company registry (GCIS) API to look up companies by tax ID
- Wrote 32 RSpec test files covering APIs, Pundit policies, feature flows and external services

BASE – 5xCampus Course Platform base.5xcampus.com

- Announcement system and admin order search; fixed N+1 queries with Bullet and improved Lighthouse scores

TrendYoung Staffing & Scheduling System

- Fixed duplicate-send issues in automated emails; Mailgun webhooks to track delivery and opens; RSpec tests

Beseye Back End Developer

Sep 2021 – Jul 2022

Back end for an AI video analytics edge server

Rails 6 MySQL Redis ffmpeg QuickSight Redshift Lambda

- Built the back-end logic that matched AI body keypoints against on-screen regions (ROI) for 4 solutions: school wall-climbing detection, hospital surgical gown monitoring, exhibition hall people counting, factory worker gesture detection
- Presented analytics in embedded AWS QuickSight dashboards backed by Redshift, with AWS Lambda for data processing
- Core developer of the SOP compliance module: consumed AI body-skeleton and hand detection results to check whether workers followed each step in the right order
- Designed the rule engine: positive / negative regions of interest (ROI), dwell time, overtime alerts, wrong-hand detection, multiple SOP sets; report API with CSV export

Maker Tech Back End Developer

Nov 2020 – Sep 2021

Buyorbuild PC build e-commerce platform

- Built APIs with the front end team; Backblaze image uploads with Active Storage; Telegram bot notifications via sidekiq-scheduler

TommyDeals Shopping deals platform

- Scraped and cleaned web data with Selenium, Watir and Nokogiri; Facebook API auto-posting

OTHER

ASTRO Camp Full-Stack Bootcamp

Aug 2020 – Nov 2020

- Built a SoundCloud-style music platform in a team of 5; owned podcasts, Shrine file upload, AWS S3 and site-wide search ([GitHub](#))
- Completed the 12th iThome Ironman Challenge with a Ruby on Rails article series

EARLIER CAREER & EDUCATION

Townview Australia · Rope Access Technician

Jul 2018 – Aug 2019

GAMIN Distributor · Accountant

Apr 2015 – Aug 2016

Citibank Taiwan · Personal Banking Financial Advisor

Sep 2014 – Mar 2015

Nanhua University · M.S. in Financial Management

2012 – 2014