



THAW TRAN

Senior Software Engineer · Full Stack Developer · AI Engineer

📍 Remote · Proven across AU, EU, CA and US timezones

Engineer by trade. Founder by choice. (Father by love.)

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Professional Summary

Senior Software Engineer with **15+ years of experience** building and scaling web applications — from co-founding a SaaS platform that served 10k+ clients to engineering global car-sharing platforms at Uber. Proven track record in full-stack development, database optimization, zero-downtime deployments, and production monitoring. Currently focused on AI agents, LLMs, and developer tooling as a solo founder.

About Me

I'm a passionate software engineer with over **15 years of experience** building scalable applications and monitoring production systems. My journey spans from co-founding and scaling a SaaS platform that served 10k+ clients to working with industry leaders like Uber on global car-sharing platforms.

Currently, I'm exploring the frontiers of **AI, LLMs, and Agents** as a SoloFounder at Pando and Lily, LLC, where I've built real-world AI applications including [Paperboy News](#) and [Datumize AI](#), open-source [CanvasMCPClient](#), and currently building in public [VISONA](#).

Coding is my passion— I love the problem-solving aspect, the continuous learning, and the satisfaction of building something that makes a real impact. Whether it's optimizing database performance by 30%, managing zero-downtime deployments, or architecting new features from scratch, I approach every project with enthusiasm and attention to detail.

I dig into root causes, find solutions, make decisions, explain the reasoning behind them, test and ship, then watch and monitor production. Tell me your issue and forget about it.

Technologies & Tools

AI / ML

LLMs AI Agents MCP RAG

Vector DB Prompt Engineering

Context Engineering Automation Workflows

mem0 n8n Agents Skills

LANGUAGES

Ruby Python JavaScript TypeScript

SQL Dart

FRAMEWORKS

Ruby on Rails FastAPI Flutter React

Stimulus Yjs Hocuspocus Langchain

CrewAI A2A Claude Agent

DATABASES

PostgreSQL MongoDB MySQL

Elasticsearch Qdrant Neo4j Redis

CLOUD & DEVOPS

AWS Google Cloud Docker

Kubernetes Nginx Github Actions

CI/CD PgBouncer Loki Grafana

Sentry Datadog

ARCHITECTURE

Microservices REST API GraphQL

WebSocket System Design Agile/Scrum

Experience

PANDO AND LILY, LLC [🔗](#)

SoloFounder & AI Engineer

Building AI-powered products as a solo founder. Launched Paperboy News, Datumize AI, open-sourced CanvasMCPClient, and building in public VISONA.

- Built and deployed multiple AI-powered web applications from zero to production
- Architected RAG pipelines with Qdrant vector database and Neo4j knowledge graphs
- Implemented MCP (Model Context Protocol) integrations for AI agent tooling
- Developed custom Agent Skills enabling AI agents to perform domain-specific tasks autonomously
- Designed real-time collaborative editing with Yjs and Hocuspocus

01/2025 - Present

AI Agents LLMs Python FastAPI

Ruby on Rails Nginx PostgreSQL

PgBouncer Solid Queue Loki Grafana

Docker Kubernetes MCP Qdrant

Neo4j mem0 Yjs Hocuspocus

Github Actions

UBER CARSHARE [🔗](#)

Remote Senior Full-Stack Engineer

Australian car-sharing application originally named Car Next Door. Joined pre-rebrand and contributed to the full integration into Uber's ecosystem.

- Joined Vanguard squad that drove measurable increases in car booking conversion rates
- Delivered the full-platform rebrand from Car Next Door to Uber Carshare across web, mobile, and APIs
- Joined a core team that refactored critical services and integrated with Uber's ecosystem and auth platform
- Rebuilt the pricing platform end-to-end as part of the Marketplace squad, improving pricing accuracy and flexibility
- Designed readable, stable, and scalable service architectures following Uber's engineering standards

02/2022 - 07/2024

Ruby on Rails PostgreSQL Flutter

Stimulus Sidekiq AWS Sentry

Datadog REST API CI/CD

DESIGNFILES [↗](#)

Remote Senior Full-Stack Engineer

SaaS application that helps interior designers create moodboards, floorplans, and 3D renderings so their clients can easily visualize their space.

- Developed advanced 2D & 3D rendering engine using pure JavaScript and Canvas API for design visualization
- Led the database migration from MySQL & Elasticsearch to PostgreSQL, improving query performance and reducing infrastructure costs
- Shipped multiple core features end-to-end including drag-and-drop design tools and client collaboration workflows
- Established code review culture and mentored junior developers through PR reviews

09/2020 - 04/2022

Ruby on Rails PostgreSQL JavaScript
Canvas API CSS MySQL Docker
Elasticsearch

BOOST [↗](#)

Co-Founder & CTO

Digital marketing SaaS that I built and managed from scratch. Successfully acquired by a US company.

- Scaled the platform from zero to 10,000+ active business clients
- Managed zero-downtime deployment across 6 load-balanced servers and 3 MongoDB replica instances
- Built white-label feature as a separate Node.js microservice with automated SSL certificate provisioning via Let's Encrypt
- Led product, engineering, and DevOps as the sole technical co-founder through successful acquisition

01/2018 - 05/2021

Meteor JavaScript jQuery MongoDB
Node.js Nginx SSL/TLS

GLOLENT [↗](#)

Remote Part-Time Backend Ruby Engineer

Freelance developer portal connecting remote engineers with project opportunities.

- Built automated scraping pipeline using Rails, Selenium, and Capybara to collect and normalize job listings and developer profiles

06/2019 - 02/2020

Ruby on Rails GraphQL PostgreSQL
React Selenium

MINERVA

Remote Full-Stack Ruby on Rails Engineer

Japanese advertising management platform featuring tag management, data management, CookieSync, and cross-device marketing solutions.

- Processed and analyzed large-scale advertising datasets using BigQuery for reporting and analytics
- Configured Kubernetes clusters for automated monitoring, deployment, and horizontal scaling

01/2018 - 05/2019

Ruby on Rails Google Cloud BigQuery
Kubernetes MySQL Docker

COORDISNAP

Backend Ruby on Rails Engineer

Social networking platform for fashion enthusiasts with 3.5M+ mobile downloads and 1M+ monthly active users.

- Increased API performance by 30% through code benchmarking, query refactoring, and strategic database re-indexing
- Improved test coverage and released new versioned API with backward compatibility
- Practiced pair programming and mentored team members through systematic code reviews

04/2016 - 01/2018

Ruby on Rails RSpec MySQL
Memcache Elasticsearch AWS
REST API

Education

Hanoi University of Technology

Bachelor of Science in Computer Science

2005 - 2010

TL;DR



15+ Years

Building scalable applications from startups to enterprise, including co-founding a SaaS with 10K+ clients



Full-Stack & AI

End-to-end ownership from system design to production monitoring, now building with AI agents and LLMs



Remote First

Thriving in distributed teams across different time zones with async-first communication

Beyond code, I'm an entrepreneur at heart who believes in building products that solve real problems. Whether it's optimizing a database query, architecting a new feature, or shipping an AI-powered product, I approach every challenge with curiosity and determination.

Always excited to discuss new opportunities and interesting technical challenges.