



# THAW TRAN

Senior Software Engineer · Full Stack Developer · AI Engineer

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

*Engineer by trade. Product-minded by experience. (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. Recently focused on AI agents, LLM applications, and developer tooling, with strong interest in long-term roles where I can own complex systems end to end.

## 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.

More recently, I've been building and shipping real-world **AI, LLM, and agent-based products**. That hands-on work has deepened my experience with applied AI, product thinking, and fast execution through projects including [Paperboy News](#), [Datumize AI](#), the open-source [CanvasMCPClient](#), and [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 work end to end: digging into root causes, making pragmatic decisions, explaining trade-offs, testing carefully, shipping with confidence, and monitoring production results. I do my best work in long-term environments where ownership, trust, and product thinking matter.

## 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 [🔗](#)

Founder / AI Engineer

Built and shipped AI-powered products and developer tooling through my own venture, including Paperboy News, Datumize AI, the open-source CanvasMCPClient, and 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
- Expanded applied AI expertise while continuing to target long-term senior engineering opportunities

### 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

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

02/2022 - 07/2024

Ruby on Rails PostgreSQL Flutter

Stimulus Sidekiq AWS Sentry

Datadog REST API CI/CD

- Designed readable, stable, and scalable service architectures following Uber's engineering standards

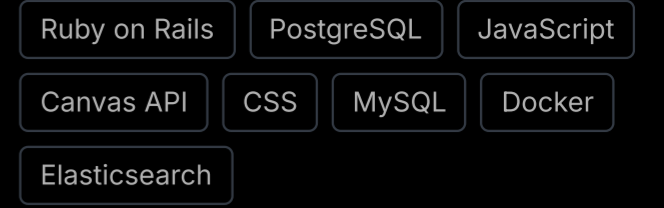
## DESIGNFILES [↗](#)

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



## 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



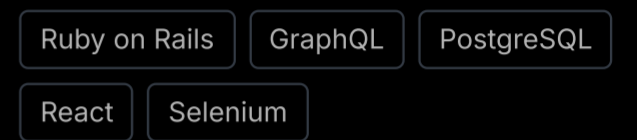
## GLOLENT [↗](#)

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



## 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



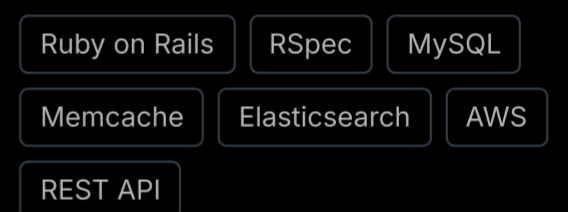
## COORDISNAP

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



# 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

I care about building products that solve real problems and teams that can sustain that work for years. Whether it's optimizing a database query, architecting a new feature, or shipping an AI-powered product, I approach every challenge with curiosity, ownership, and a long-term mindset.

Especially interested in senior engineering roles with meaningful ownership, strong collaboration, and long-term impact.