

# Andy Tran

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Full-stack software engineer with 5+ years building production SaaS, payments, and AI systems in TypeScript, Node.js, React, and Next.js. Previously Red Bull TV and Supplyframe (acquired by Siemens).

## TECHNICAL SKILLS

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**Languages:** TypeScript, JavaScript, Python, SQL

**Backend:** Node.js, Next.js, Express, REST APIs, microservices, ETL pipelines

**Frontend:** React, Next.js, Tailwind

**Databases:** PostgreSQL, MongoDB, BigQuery, Redis, Pinecone

**Cloud & Infra:** Vercel, GCP, AWS, Docker, CI/CD

**AI & ML:** Claude API, OpenAI API, RAG, vector search, agent orchestration

**Testing:** Vitest, Jest, Zod, TypeScript strict

## EXPERIENCE

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### Founder & Software Engineer | yew.

Apr 2025 - Present

Engineering studio. Payments, operations, and growth for businesses.

- Shipped a **multi-tenant payments SaaS** ([yew.cash](#)) live at **2 businesses processing 1M+ card transactions**: card-present (PAX/POSLink), idempotent charge/refund, PCI-safe, settlement reconciliation
- Own the **operations + growth stack for 3 businesses**: built each site, run SEO + local search end-to-end
- Ship production software end to end with **agentic AI workflows**, owning architecture and review

### Software Engineer | Supplyframe (Acquired by Siemens)

Aug 2022 - Mar 2024

B2B platform for the electronics industry.

- Designed and built the core **pricing engine** powering quoting and configuration for an enterprise SaaS/CPQ platform serving 3 distributors across 50K+ SKUs
- Cut PostgreSQL query times by **20%** across component data pipelines handling 200K+ records
- Wrote integration tests catching 30+ pre-production bugs and reducing QA cycle time by 15%

### Software Engineer, Backend | Red Bull Media House

Oct 2020 - May 2022

Media arm of Red Bull, covering live TV and digital across sports, music, and culture.

- Built and owned the **ad-serving microservice** for ServusTV as sole engineer; integrated VAST/PAID across 23 device types
- Shipped **2 new multilinear streaming channels** (always-on linear programming)
- Engineered async pipelines ingesting **5M+ device records daily** with alerting for revenue-impacting incidents
- Expanded ad delivery and streaming to **2M+ devices** across 3 new countries

## EDUCATION & VOLUNTEERING

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### B.S. Applied Statistics | University of California, Santa Barbara

2016 - 2019

### Instructor & Curriculum Developer | MissionBit

2019 - Present

- Mentored 100+ students in software engineering; designed and taught the curriculum