

# Ryan Calacsan

Full-Stack Engineer

Chicago, IL · calacsancode@gmail.com

[github.com/ryancalacsan](https://github.com/ryancalacsan) · [linkedin.com/in/ryancalacsan](https://linkedin.com/in/ryancalacsan) · [ryancalacsan.github.io](https://ryancalacsan.github.io)

## TECHNICAL SKILLS

---

<b>Frontend</b>	React, Next.js 15, TypeScript, JavaScript, Tailwind CSS, HTML5, CSS3
<b>Backend</b>	Node.js, PostgreSQL, REST APIs, Drizzle ORM, Zod
<b>Infrastructure</b>	Docker, Supabase, Nginx, Git, GitHub Actions, Vitest
<b>Integrations</b>	Stripe, Salesforce, Clerk Auth

## EXPERIENCE

### **Principal Engineer** · PrintNinja · Mar 2025 – Jan 2026

- Built entire modern technology stack from scratch as sole engineer—200,000+ line full-stack platform using Next.js, React, TypeScript, and PostgreSQL
- Migrated legacy PHP pricing engine (500+ variables, 4 product lines) to TypeScript with 100% mathematical parity, verified by 80+ automated tests
- Achieved 100x performance improvement on pricing calculations (11.47s → <100ms) through LRU caching
- Integrated Stripe payment processing with webhook idempotency and Salesforce CRM sync with 60+ field mappings
- Introduced engineering practices: Git version control, 290+ documentation files, Docker deployment with Nginx and rollback

### **Studio Manager** · KH Photography · 2015 – 2020

- Managed studio operations including digital asset workflows, production scheduling, and client relations

### **Freelance Photographer** · Ryan Calacsan Photography · 2009 – 2025

- Published work in Trails Magazine and Mountain Gazette; strong visual communication and project management

## PROJECTS

### **print-check-cli** — *Published npm package*

CLI tool for validating print-ready PDFs. 8 automated checks (bleed, fonts, color space, resolution, ink coverage, transparency). Built-in profiles, config file support, JSON output for CI. Node.js, TypeScript, Commander.js, mupdf, Vitest.

**GoVan** — Van rental platform with Firestore, data visualization, responsive design

**AI Chef** — Recipe generator using Hugging Face Mistral AI, built with React and Vite

## EDUCATION

**B.S. Biology** — University of Illinois at Chicago

**Frontend Developer Career Path** — Scrimba (partnered with MDN)