

Ryan Calacsan

Full-Stack Engineer

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TECHNICAL SKILLS

Frontend	React, Next.js 15, TypeScript, JavaScript, Tailwind CSS, HTML5, CSS3
Backend	Node.js, PostgreSQL, REST APIs, Drizzle ORM, Server Actions
Infrastructure	Docker, Supabase, Nginx, Git, GitHub Actions, CI/CD
Integrations	Stripe, Salesforce, Clerk Auth, Rackspace Cloud Files

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)