Ryan Calacsan

Full-Stack Engineer

Chicago, IL · calacsancode@gmail.com

github.com/ryancalacsan · linkedin.com/in/ryancalacsan · ryancalacsan.github.io

TECHNICAL SKILLS

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

EXPERIENCE

Principal Engineer · PrintNinja · Aug 2025 – Jan 2026
- Built 200,000+ line full-stack platform from scratch 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
- Deployed with Docker, Nginx, and CI/CD pipeline with rollback capability

Front End Developer · PrintNinja · Mar 2025 – Aug 2025
- Hired as company's first in-house engineer to modernize web platform after years of contractor-built technical debt
- Conducted comprehensive audit of legacy systems across full stack, hosting, and Salesforce; documented findings and communicated scope to non-technical leadership
- Developed modernization strategy and roadmap; promoted to Principal Engineer to lead implementation

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

QuoteCraft — *Live demo available*

Full-stack quote builder for freelancers. Stripe payments, PDF export, dashboard analytics, drag-and-drop UI. 181 unit tests + 30 e2e tests with CI/CD. Next.js 16, TypeScript, Supabase, Clerk, Vitest, Playwright.

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, Vitest.

EDUCATION

B.S. Biology — University of Illinois at Chicago

Frontend Developer Career Path — Scrimba (partnered with MDN)