

# Benjamin Nelson

Full-Stack Engineer (Frontend-Focused) | Seattle, WA

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## Technical Skills

TypeScript, JavaScript, React, React Native, Ruby on Rails, Node.js, PostgreSQL, REST APIs, Cloudflare, Linux, Proxmox VE, pfSense, VPNs, DNS, SSL/TLS, WebRTC, System Design

## Experience

### Freelance — Software Engineer | 2021 – Present

Built and operated production web applications using React, TypeScript, Ruby on Rails, and PostgreSQL. Owned frontend, backend, data modeling, deployment, and production reliability as a one-person engineering team. Designed and maintained secure infrastructure using Cloudflare (DNS, SSL/TLS, WAF, tunnels). Operate a personal homelab with virtualized Linux systems, segmented networking, VPN access via pfSense, and self-hosted services. Built pnwpoolsandconcrete.com, a production React + Rails platform generating real customer leads.

### Pixel Apps — Full-Stack Engineer | 2024 – 2025

Developed modern React and Next.js interfaces for small and mid-sized businesses. Built reusable, design-system-aligned UI components and production features. Delivered e-commerce and CMS workflows using Shopify, Hydrogen, and contemporary frontend tooling.

### Semi — Software Engineer | 2018

Built a React Native application using Redux and immutable state patterns. Integrated Stripe subscriptions and Amplitude analytics. Developed backend services with Node.js, Express, MongoDB, and Next.js. Deployed production builds to Heroku and coordinated mobile releases via Apple TestFlight.

## Projects

[pnwpoolsandconcrete.com](#) — Production marketing and lead-generation platform (React, TypeScript, Rails, Cloudflare)

[harrysrecipes.com](#) — Production recipe management system actively used in a commercial kitchen

[Ingredi.app](#) — Full-stack menu, recipe, allergen, and inventory platform (PostgreSQL + Prisma)

[WebRTC Demo](#) — Peer-to-peer video calling with signaling, encryption, NAT traversal, and real-time state management

[Home Lab & Infrastructure](#) — Designed and operate a personal homelab using Proxmox VE with multiple VMs, network segmentation and firewalling via pfSense, VPN access, and self-hosted services. Hands-on experience with Linux system administration, deployment workflows, and production-style operations.

## Education

University of Redlands — B.S. Biochemistry

Harvard CS50, freeCodeCamp, independent computer science study