

Catalin Pinte

Full-Stack Engineer · Next.js, NestJS, Node.js, PostgreSQL

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SUMMARY

Full-stack engineer since 2010, working remotely for US-based companies. For three years I built Publi, a publishing SaaS, from prototype to production: a no-code design studio, a rich-text editor, fast server-rendered reader sites and real-time analytics, on Next.js, React, TypeScript, NestJS and PostgreSQL. Before that I developed the Shopify integration for Next.js Commerce at Vercel and built quote-to-invoice platforms for HVAC and machinery businesses.

SKILLS

Frontend	React, Next.js, TypeScript, Tailwind, Jotai, Slate, React Aria, Vue, Flutter
Backend	Node.js, NestJS, REST APIs, tRPC, Better Auth, NextAuth, Firebase Auth, PHP/Laravel
Data	PostgreSQL (including Supabase), MySQL, Tinybird (ClickHouse), Prisma, TypeORM, Redis, Meilisearch, Algolia
Commerce and integrations	Stripe, Paddle, QuickBooks, Shopify, Twilio, SendGrid, Zapier, Firebase
Testing	Playwright end-to-end suites, Vitest, CI checks (GitHub Actions)
AI-assisted development	Claude Code agentic workflow (planner, executor, reviewer), test-first, nothing committed until checks pass
Infra	Docker and Caddy deployment, GitHub Actions CI/CD, Vercel, Google Cloud, Cloudflare Workers
Practices	Code review, on-call and incident response, Sentry, Google Cloud monitoring and logs, Vercel feature flags (ship to main, enable later), A/B testing

EXPERIENCE

Full-stack engineer (contract), Publi (publishing platform for digital magazines) Mar 2023 – Oct 2026

Next.js, React and TypeScript on the front; NestJS and PostgreSQL behind.

- **No-code Design Studio:** tool for creating reusable page sections (hero, table of contents, author, chart, slider, header, footer), from scratch or from 38 ready-made designs; editors drop them into any page or article, adjust them and restore the original at any time. Latest: a Swiper-based slider with 10 templates.
- **Responsive styling engine:** settings package shared by the studio and the editor: 40+ element panels with desktop, tablet and mobile values for typography, colour, spacing, borders, shadow, size and layout (grid, flex); every override is tracked against its design and can be reset.
- **Rich-text editor:** 30+ custom Slate.js blocks, many powered by studio designs: sliders filled from linked articles (sorted automatically or by hand), galleries, tables of contents, content gates and charts.
- **No-code charts:** editors build interactive charts without writing code: pick one of 9 Recharts chart types, enter the data in a built-in data table and apply a chart design made in the Design Studio; charts load on demand on reader pages.
- **Reader sites:** custom React Server Components renderer on the Next.js App Router replacing read-only Slate rendering, so pages ship only the JavaScript they need; charts, carousels, gates and search load on demand; branding compiled to CSS variables; responsive Cloudinary images; upgraded to Next.js 16 and React 19.
- **Publishing pipeline:** drafts with revisions, signed Next.js draft-mode previews, background jobs that refresh cached pages and the Meilisearch index on publish; Redis in middleware for publication and member access checks.
- **Lead capture and membership:** drag-and-drop form builder (React, Jotai) with submissions; content gates that unlock issues and PDFs in exchange for a form; members-only publications with email and domain allowlists and passwordless login (magic link, one-time code, Better Auth).
- **Real-time analytics:** per-publication analytics built from scratch on Tinybird (ClickHouse): live visitors, traffic trends, top pages, sources and devices, filterable by issue; Google Tag Manager and Adobe Analytics.
- **API and quality:** NestJS/TypeORM/PostgreSQL modules, role-based access control on design endpoints, Paddle billing, issue duplication across publications, export/import between environments; wrote most of the Playwright end-to-end suite; code review and on-call.

Solutions Engineer, Vercel

Jun 2022 – Jan 2023

- Developed and maintained the Shopify integration for Next.js Commerce (also BigCommerce and Commerce.js providers) in the open-source `vercel/commerce` repo.
- Next.js technical support for enterprise account teams: resolved customer Next.js and Vercel questions, proposed fitting solutions and audited customer Next.js sites; code review and on-call.

Full-stack engineer (contract), SumZero Energy Systems (HVAC quoting platform)

May 2021 – 2024

- Estimate calculator, kits with multipliers and billable hours, item catalogue, PDF quotes, customer portal, roles and permissions.
- Next.js, tRPC, Prisma, NextAuth, PostgreSQL/Supabase, Algolia, Meilisearch; about 450 commits and 28 PRs; built first, then extended on client requests through 2024.

Full-stack engineer (contract), Absolute Machinery (injection-molding machines and parts)

2015 – 2019, 2023

- Laravel API and AngularJS CRM: event-driven quote lifecycle (events, listeners, queues, scheduled expiry reminders), quote-to-invoice, shipping, PDF generation.
- QuickBooks integration (OAuth, SDK); the CRM stays the system of record and pushes only clean records.
- Public website, inventory browser and quote requests (PHP, WordPress, AngularJS); Ionic PWA.
- Later, 2023: modernised the storefront on Next.js.

Full-stack engineer (contract), Income Tax Plus (income-tax practice management)

2015 – 2017

- Designed the data model (party model, permission groups, service orders, audit log) for a bilingual (PT/EN) CRM.
- Client portal, calendar, invoicing, staff tasks, Stripe payments, QuickBooks sync, Twilio SMS and voice, Dropbox files.
- Laravel API with Redis queues; Angular app packaged with Electron.

Earlier and other client work

- **Daniel's Table** (food-bank charity): Statamic/Laravel/Vue site, Laravel API, Ionic/Cordova app, Stripe donations.
- **Chopsticks Leominster** (restaurant): menu with instant search, orders and reservations (Statamic, Laravel, Vue).
- **Connect Community Church** and **Greenie Car Wash**: WordPress custom plugins; AngularJS ordering app with time slots.
- Charity donation platform (WordPress, Authorize.net, later Stripe): one-time and recurring donations, donor history, email receipts.

SIDE PROJECT

- **Naveta** (<https://naveta.app>): live Cluj-Napoca public-transit tracker, built solo in Rust (new to me) with AI coding agents, to test agentic development outside my comfort zone.
- **Backend**: Axum API (REST, SSE, gRPC) and a sync service that ingests the public transit feed; Firebase Auth, push alerts and crowd reports.
- **Web**: server-rendered with Maud and htmx 4, live MapLibre map, installable PWA with offline support.
- **Data**: timetables learned from observed vehicle passes (the feed has no clock times), live ETA overlay, and an ETA model pipeline (scikit-learn to ONNX).
- **Shared Rust core**: Kalman-filter vehicle tracking and trip inference, reused across the web and native apps.

EDUCATION AND LANGUAGES

Babeş-Bolyai University, Cluj-Napoca · Faculty of Economics and Business Administration, Economic Informatics (coursework completed, no degree)

2006 – 2009

Languages: Romanian (native), English.