

# Patrick Hourihan

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## PROFESSIONAL SUMMARY

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Junior software developer and AI-assisted product builder based in Western Massachusetts, with hands-on experience shipping Next.js and TypeScript applications, Supabase/Postgres data systems, SQL migrations, APIs, webhooks, internal analytics, and automation. Built the live My Cartoon Pet public beta, a live fantasy football prototype, and production client websites using Git, Cloudflare, Vercel, Claude Code, OpenAI Codex, and ChatGPT. Brings more than seven years of client-facing experience translating business needs into practical deliverables, and is eager to grow into C#.NET and Microsoft application development within an on-site team.

## SELECTED SOFTWARE AND AI PROJECTS

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### My Cartoon Pet | Public Beta | mycartoonpet.com

- Built and launched an AI-enabled SaaS public beta where users upload a pet photo and generate cartoon mascot artwork, using Next.js, TypeScript, Supabase Auth, Postgres, SQL, private storage, Row Level Security, Stripe subscriptions, and Vercel.
- Designed secure upload, generation, gallery, ownership, and quota flows backed by SQL migrations, relational schemas, RLS policies, and atomic Postgres functions; debugged a live schema-alignment bug and pinned the fix with regression tests.
- Built internal founder analytics with an append-only event ledger, reviewable scorecards, and an activation and quality measurement framework; drove AI coding assistants through written specs, repository audits, automated tests, and release gates.

### IPlayForKeepers | Live Interactive Prototype | iplayforkeepers.com

- Built and deployed a mobile-first fantasy football prototype using Next.js, TypeScript, Tailwind CSS, deterministic seeded data, and Cloudflare.
- Implemented league dashboards, standings, rosters, trades, future-pick tracking, draft state, and a best-ball lineup optimizer.

### Keeping Up With The Robots and Client Websites | Live in Production

- Built and deployed a Next.js community site with Resend-powered newsletter and contact integrations (keepingupwiththerobots.com).
- Delivered the Cell Beauty Health and Zubin Home Valuation production websites through requirements gathering, responsive implementation, QA, and deployment coordination with nontechnical business owners.

## TECHNICAL SKILLS

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**Languages & Web:** TypeScript, JavaScript, SQL, HTML, CSS, React, Next.js, Tailwind CSS

**Data:** Postgres, Supabase, relational schema design, migrations, Row Level Security, SQL functions and RPCs

**APIs & Automation:** REST APIs, Next.js route handlers, webhooks, Stripe, Resend, event processing, idempotency, reconciliation

**Tools:** Git, GitHub, Vercel, Cloudflare, Claude Code, OpenAI Codex, ChatGPT

**Practices:** requirements analysis, specification writing, debugging, testing, repository audits, QA, documentation

## PROFESSIONAL EXPERIENCE

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### Energy Consultant | Trinity Solar

Nov 2025 to Present

- Translate technical and financial details of solar projects into plain-English recommendations for nontechnical homeowners.

### Territory Manager | MicroSurgical Technology

May 2018 to Nov 2020

- Managed sales and service for 150+ ophthalmic surgical facilities across Florida.
- Achieved 13% year-over-year growth in the first year and 10% in the second while training surgical teams and working with surgeons and hospital administrators.

### Outside Sales Representative | W.B. Mason

Nov 2013 to Apr 2018

- Opened Buffalo and Miami markets, generating \$1M+ in annual revenue within 12 months.
- Managed 400+ B2B accounts across prospecting, pricing, contracts, and retention.

### Pound Keeper / Animal Care | Belchertown Animal Control

Mar 2025 to Present

- Animal care, intake, records, and community-facing service.

## EDUCATION

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### Bachelor of Science in Business Administration

University at Buffalo, SUNY, School of Management | Concentration: Financial Analysis

Community: Dakin Humane Society volunteer; Belchertown Animal Relief Committee board member.