

Jonathan David Cruz

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SUMMARY

Almost 3 years building backend systems and automating manual workflows at a law firm, including building an internal AI agent on Claude to handle support tickets and training ML models to pull data out of legal documents (Python, SQL, FastAPI, Azure). Looking for a role where I can keep building software and working with data.

TECHNICAL SKILLS

Programming Languages | Python, SQL, JavaScript, TypeScript, C++

AI Tools | Claude, GitHub Copilot, OpenAI Codex, Gemini

Web/Backend | FastAPI, React, Next.js, Supabase, Vite

Databases | PostgreSQL, MongoDB, Redis, MySQL

Cloud & DevOps | Azure, Vercel, Docker, Git, Doppler, Playwright

Spoken Languages | English, Spanish

WORK EXPERIENCE

Software Administrator (Software Engineer)

Garden City, NY

Friedman Vartolo LLP

December 2023 - October 2026

- Built a monitoring dashboard and measurement framework tracking 1,495 automated processes against 71,000+ case-update events between the firm's case management system and Black Knight Financial Services (BKFS); has saved 479+ hours (nearly 60 work-days) of manual work to date, on track for 850+ hours annually at current volume.
- Trained an internal Claude-based AI agent to research tickets, query the firm's databases, generate reports, and carry out tasks through Playwright and API calls, testing and refining its output until it reliably handled more than half of straightforward tickets with a human-approved plan.
- Developed full-stack internal applications using Streamlit and FastAPI, deployed to Azure using Docker, including tools for generating case reports, automating repetitive staff workflows, and monitoring live processes to catch issues early.
- Trained custom Azure Machine Learning models to extract data from incoming vendor invoices, reconciling it against internal case and payment records to confirm payments and flag discrepancies.
- Streamlined document prep by integrating SQL queries with dynamic templates to auto-generate case-specific court filings and client documents (motions, affidavits) as cases progressed through defined steps.

PROJECTS

Riffstub

Next.js | TypeScript | React | PostgreSQL | Supabase | Vercel

Full-Stack Concert Tracking Web App, Solo Project (riffstub.com)

Jul 2026 - Present

- Designed, built, and deployed a full-stack web app entirely solo, from database schema through production hosting on a custom domain.
- Implemented secure authentication including email/password login and optional two-factor authentication (TOTP), using Supabase/PostgreSQL Row-Level Security to restrict each user's data access at the database level.
- Built a custom content moderation system with automated filtering and an admin review queue, plus database-backed rate limiting, without relying on third-party services.

EDUCATION

Bachelor of Science in Computer and Information Science

May 2022

SUNY Old Westbury

Old Westbury, NY