MICHAEL HANNA

Software Engineer

Wilmington, DE | 484-716-8373 | michaelhanna50@gmail.com | [My Portfolio](#) | [LinkedIn](#) | [GitHub](#)

CAREER SUMMARY:

Software Engineer with experience building full-stack web platforms, internal tools, and client-facing systems. Skilled in React and TypeScript on the frontend, and Django, ASP.NET Core, and RESTful APIs on the backend. Strong foundation in system design, performance analysis, reliability patterns, UI/ UX design, and end-to-end application development.

WORK EXPERIENCE:

Freelance Web & Automation Developer — May 2025 to Present
Custom *Websites • AI Automations • Client Systems*

- Built 5+ responsive, SEO-optimized websites with modern UI/UX, custom components, and integrated booking/CRM systems.
- Developed AI-powered automations (AI receptionist, lead follow-up, CRM updates) to reduce manual workload and improve client response time.
- Managed full project lifecycle end-to-end, delivering production-ready web and automation solutions for small businesses.

RELEVANT PROJECTS:

Personal Business Website – Custom React Frontend – [Live Site](#) | [GitHub Repo](#)

React, Vite, Tailwind, API Integration, Deployed

- Developed a full multi-page site (Home, Services, Portfolio, Blog, Contact) showcasing all coding and client work as well as my own qualifications.
- Built dynamic theme system using weather API data for personalized user experience.
- Implemented reusable components, optimized routing, SEO, and deployed using CI/CD.

Website Speed & SEO Analyzer — Full-Stack Application – [Live Site](#) | [GitHub Repo](#)

React, Vite, TypeScript, ASP.NET Core, Playwright, Google PageSpeed API

- Audits any URL for performance, SEO, accessibility, and off-page signals, returning AI-generated remediation checklists and downloadable PDF reports.
- Implemented throttling and persistent scan history to support safe concurrency and repeat analysis.
- Orchestrated Google PageSpeed data, Playwright-rendered DOM inspection for SPAs, structured data parsing, and custom scoring to classify sites as Excellent / Needs Work / Critical.
- Deployed with environment-isolated configuration, CORS-aware hosting (Vercel + Render), and automated xUnit tests covering scoring, SEO parsing, and link analysis.

Incident Management Platform – Full-Stack Application – [Live Site](#) | [GitHub Repo](#)

React, Vite, Django REST Framework, PostgreSQL, Redis, Celery, SSE

- Enabled teams to declare incidents, lifecycle transitions, postmortems, and deliver live customer updates.
- Enforced incident state transitions with transactional updates, audit logs, and timelines.
- Delivered real-time updates via SSE and async notifications using Celery workers.
- Improved reliability with idempotency, rate limiting, caching, observability, and tests.

EDUCATION:

West Chester University — B.S. Computer Science (Magna Cum Laude) Graduation: 2025

SKILLS:

Languages: JavaScript, TypeScript, Python, Java, C#, HTML, CSS
Frontend: React, Vite, Next.js, Tailwind CSS, Component Architecture
Backend: Django REST Framework, FastAPI, ASP.NET Core, RESTful APIs, PostgreSQL, Authentication
Systems & Tooling: Redis, Celery, Server-Sent Events (SSE), Playwright, xUnit, pytest
Cloud & DevOps: Vercel, Render, Azure, AWS, Environment Configuration
Other: API Integration, Performance & SEO Analysis, AI Workflow Automation, UI/UX Design (Figma)