

JOHN BRANDT

✉ notjohnbrandt@gmail.com · [in LinkedIn](#) · [G GitHub](#) · [P Portfolio](#)

SUMMARY

Lead engineer on **Audition AI**, an agentic **AI/GenAI** product with **20+ enterprise clients**. Came up through legacy **.NET** maintenance work, then turned a side-of-desk proof of concept into the company's flagship product – now owns its architecture, major features, code review, and performance, plus direct client contact. Leads **15+ developers** across the AI-focused software suite and runs the company's intern program (**15+ interns/juniors** trained toward full-time roles).

EXPERIENCE

Saberin Data Platform

Developer Team Lead

Hauppauge, NY
January 2025 - Current

- Lead engineer on **Audition AI** (**20+** enterprise clients): own architecture, scope and delegate major features, run code review, and drive performance monitoring
- Build the product's **AI** systems: **Semantic Kernel** orchestration, **MCP** tooling, document embedding/vectorization, **Azure AI Search**, and native agent function calling; personally forked **llama.cpp** to research MoE expert-prefetch offloading
- Lead **15+ developers** across an AI-focused software suite; work directly with clients on requirements, architecture decisions, and delivery
- Run the company's intern program end to end – résumé review, training, and mentoring for **15+ interns/junior** developers on a path to full-time roles: *"I can teach you to be a developer. I can't teach you to be a good team fit."*
- Own **Azure/AWS** infrastructure (Front Door/CDN, Service Bus, Key Vault, ARM/CloudFormation automation) and **Azure DevOps** CI/CD pipelines; drive testing, monitoring, and production support

Saberin Software

Mid-Level .Net Developer (previously Junior .Net Developer)

Hauppauge, NY
April 2023 - January 2025

- Started on a legacy **ASP.NET/.NET Framework** RFP portal; shipped **20+** HTML/CSS client sites, including pro-bono builds for charities
- Promoted quickly into building intranet systems for a large financial **hedge fund** and comparable enterprise clients
- Began running proof-of-concept **AI** projects alongside delivery work – those PoCs became **Audition AI**, now the company's primary product
- Led the front-end migration off **Blazor** onto **React**

City of Glen Cove Auxiliary Police

Patrolman First Class

Glen Cove, NY
November 2019 - Current

- Communicate and delegate tasks to a team during public events/emergencies, patrol and secure public parks/beaches, and assist with traffic control, collaborating across departments

SKILLS

- **Languages:** C#, TypeScript, JavaScript, SQL, Java, Lua, Bash, YAML
- **.NET & Frontend:** ASP.Net Core (.Net 8-10), .Net Framework (legacy), EF Core, SignalR, YARP, Hangfire, Blazor → React, Next.js, Tailwind
- **AI Systems:** Semantic Kernel, AutoGen, Microsoft Agent Framework, MCP, Azure OpenAI/OpenAI/Claude, document embedding & vectorization, Azure AI Search, agent skills/function calling
- **Data & Messaging:** SQL Server, PostgreSQL, SQLite, Redis, RabbitMQ
- **Cloud & DevOps:** Azure (App Service, Functions, Service Bus, Key Vault, Front Door/CDN, ARM), AWS (S3, CloudFront, EC2, Lambda, CloudFormation), Docker, Kubernetes, Linux, Azure DevOps CI/CD
- **Auth & Integrations:** Entra ID, Azure AD B2C, Auth0, RBAC, REST/WebSockets/SSE, Stripe, Salesforce, Jira

SIDE PROJECTS

llama.cpp Fork – MoE Expert Prefetcher C/C++, CUDA

[GitHub](#)

- Forked llama.cpp to add a speculative expert-prefetch cache for Mixture-of-Experts models: predicts which experts a layer will route to next, optimizing inference latency and memory footprint so a single consumer GPU can punch well above its VRAM weight class. Homelab-tested, not just benchmarked in a slide deck.

RadioHub C#/.Net 9, RTL-SDR/DSP, SignalR, React/D3

[GitHub](#)

- Built a live SDR receiver and auto-clip library: one I/Q stream drives spectrum display and NBFM demodulation in-process, since a dongle only lets one process own it, with squelch gated on RSSI, not noisy audio.

Also: **Drift**, **Unfit For Print**, a **Kubernetes/RabbitMQ** homelab, a hybrid **Lucene.NET/sqlite-vec** search engine, a Stream Deck plugin, and a Wear OS app.

EDUCATION

Farmingdale State University

BS Computer Programming and Information Systems

Farmingdale, NY
Aug 2018 - Dec 2021