

Noah J. McGuire

nojomcguire@gmail.com | (269) 501-3328 | [Website](#) | [LinkedIn](#)

EXPERIENCE

Founding Software Engineer – [Argos](#) (in Stealth)

Jan. 2026 - Present

- Designed and shipped a real-time **Notion integration** for initial workspace sync and live update handling.
- Implemented the **Argos Email agent** via AWS SES, SNS, and SQS, enabling one customer to **completely migrate** from an internal ticketing tool, and allowing all members to access our agentic legal capabilities over Email.
- Created **Logfire** dashboards for observability of our core record management agents.

AI Engineer (Contract) – *Yapper Care*

Sep. 2025 - Dec. 2026

- Shipped backend service for **websocket based RAG** with Hume's voice interface for elderly care and companionship.
- Trained a **contextual bandit** model that increased call length across hundreds of calls, while improving engagement quality.
- Designed data pipelines to retain **HIPAA-compliant** personalization and memory data.

Technical Cofounder – *Socrates Labs*

Sep. 2024 - Sep. 2025

- Led a team of two engineers in shipping a **Git-versioned, notion-like documentation editor** for engineering teams, using agentic AI to **self maintain** on changes to their connected repos.
- Deployed a **graph editor for LLM automations** deployed with a scalable AWS backend, allowing our users to **save 5 hours / person / week** across their daily workflows.
- Experimented with a data engineer **agent system for identifying 'churn patterns'** in CRM and site traffic data.
- Built an **SDK and CLI** for LLM telemetry, evaluation, and improvement, exposing local and hosted methods for **RLHF**, supervised fine tuning (**SFT**), direct preference optimization (**DPO**), retrieval query augmentation, and **DSPy** methods.

Fullstack AI Engineer – *Nakamoto Legal*

Sep. 2023 - Sep. 2024

- **Engineering:** Built **in-house LLM tooling** to interact with legal matters in Google Docs (as an add on). Established RAG pipeline over matters, and built interfaces for small legal automations. Implemented **RAGAS** evaluation and fine tuning.
- **Consultation:** GDPR compliance consultation for use of LLMs in an executive recruiting organization. Consultation for a supply chain providence company to assess LLM integration potential.

PROJECTS

Chemical IP Embedding and Search

Sept. 2022 - Dec 2023

- Developed a **knowledge graph extraction** pipeline for US/EU chemical patents combining **computer vision** and **LlamaIndex** to parse verbose and inconsistent chemical nomenclature into **RDF/OWL** triples.
- Implemented **named entity resolution** and graph "combing" techniques to improve entity and connection accuracy.
- Researched **graph embedding** methods (translational, neural, and tensor based) for their ability to capture ontological hierarchy of patent claims, communicated progress weekly.

SKILLS

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| • Languages: Python, TypeScript / JavaScript, SQL, C++ | • Frameworks: Pydantic + Logfire, FastAPI, Temporal, REST, React, vLLM, ReactFlow, RDF / OWL |
| • Infra: GitHub / Actions, AWS/GCP, Docker, HuggingFace | • LLM Ops / Tools: LangChain + LangGraph, Arize, Ragas, DSPy, OpenTelemetry, n8n, MCP. |
| • Databases: PostgreSQL + SQLAlchemy/Alembic, Turbopuffer, Pinecone, Supabase, BigQuery | • Machine Learning: NumPy, Scikit-Learn, Pandas, Pytorch, OpenCV, Bandit Model RL. |
| • Systems: ETL pipelines, API design, data engineering, containerization | • RAG: Graph and text RAG, text and knowledge-graph embedding methods, evaluation, ontology/query engineering |
| • Ops: YML / YAML scripting, CI/CD, secret management, Graphite, Logfire | |

EDUCATION

University of Michigan

Ann Arbor, MI

Concurrent Degrees: BSc Computer Science, BSc Cognitive Science

Grad: May 2024

Activities: Wolverine Blockchain, Michigan AI Safety Initiative, Myelin Neurotech.