

Experience

Astronomic, Austin, TX

Oct 2025 – May 2026

Lead Developer

- **Led data engineering** for the proprietary prospecting database behind the firm's sales and outreach, owning technical architecture through implementation: an **ETL pipeline** normalizing **3,200+ county ArcGIS sources**, each with its own schema, into **100M+ unified parcel records** that replaced Regrid and ATTOM feeds listing at **\$100K+/year**.
- Architected the entity-resolution layer matching that data against the firm's **3,000-member network at 60% coverage**, then layered FEC contribution records, SEC EDGAR filings, and FAA registrations into a single enriched profile per member.
- Replaced a **full-time virtual assistant (\$7/hr, roughly \$14K/yr)** with an automated email extraction pipeline running entirely on **local models** at zero per-token API cost, plus VC intelligence workbooks used by leadership.

Pawsitive Holdings, Austin, TX

Aug 2025 – Nov 2025

AI Engineer

- Scraped and contact-enriched a complete list of pet-related SMBs, then applied AI and GTM techniques to dynamically generate personalized outreach, covering **95%+ of their TAM** in a campaign to **2,000+ business owners**.

Brokk, Inc., Austin, TX

Jan 2025 – Aug 2025

Software Engineer

- Built the vector storage and retrieval layer behind Brokk's agentic context tools, surfacing the relevant classes, methods, and fragments across **million-line Java codebases** so models operate on working memory instead of whole files, **cutting tokens per task 20% on average** on an internal benchmark.
- Contributed to the headless CLI, letting Brokk run non-interactively in CI, scripted batch jobs, and mass-refactor pipelines rather than only through the desktop GUI, used across **100+ automated runs** in the CI/CD pipeline.

Paragon Innovations, Richardson, TX

Summer 2023 | Summer 2022

Software Engineering Intern (two terms)

- Built the automated test suite for a consumer smart dog collar in Python and Robot Framework with **20+ test cases** spanning firmware and companion-app integration, **saving 2+ hours of manual test time per release**.
- Implemented **10+ production BLE functions** linking collar firmware to its companion mobile app, and authored the hardware documentation the team shipped against.

Projects

Lexie — Production AI Voice-Agent SaaS 🌐 getlexie.ai

July 2026

- Sole engineer, designer, and operator of a **live subscription SaaS**: users describe a problem in-app, over Telegram, or by SMS; the agent researches and ranks the **10 best-matched contractors**, calls all of them **in parallel** to collect quotes, then calls back to schedule the winner on the user's go-ahead.
- Shipped the full stack solo in **5 days**: Telnix telephony, Clerk authentication, Stripe subscription billing, hosting, and end-to-end SMS compliance (US 10DLC carrier registration, CTIA-standard consent and opt-out).
- **100+ registered users within 14 days**, **250+ agent-placed calls**, **1,350+ minutes** of live voice-agent time.

Parallely — Parallel Agent Orchestration CLI 🐙 github.com/MichaelTheMay/parallely ★ 247

June 2026

- Authored and maintain an open-source CLI that splits a coding task into sections and runs one AI agent per section concurrently in a shared git worktree, with file-ownership conflict detection, a live TUI showing per-agent progress and token spend, and auto-merge to an integration branch.
- **My daily driver for every large change I make**, cutting wall-clock time **2–3×**; **247 GitHub stars**, backend-agnostic across Codex, Claude Code, and OpenCode, published to npm as **@michaelthemay/parallely** (TypeScript/Bun).

MycelicMemory — Local-First Agent Memory 🌐 mycelicmemory.com 🐙 github.com/MycelicMemory/mycelicmemory

Dec 2025

- Scored **71%+ on LoCoMo10**, then the industry-standard agent-memory benchmark, the **highest result of any local-first memory system**.
- Built and maintain an MCP server in Go giving any coding agent (Claude, Cursor, Windsurf) persistent cross-session memory, fully local with no cloud or API keys, on a multi-signal retrieval engine (semantic, keyword, graph, importance, recency) at **sub-100ms**.
- Raised **\$5,000+ pre-seed** from Genesis, UT Austin's startup fund; **25+ member Discord** grown organically; **my daily driver across 30+ projects and 2,000+ stored memories**.

Technical Skills

AI & Agent Infrastructure: MCP server design, agentic workflows and tool-use loops, multi-agent orchestration, context compression, retrieval-augmented generation, hybrid semantic + full-text search, long-context memory, LLM cost/latency optimization, evaluation and benchmarking (LoCoMo, LongMemEval)

Languages & Data: Go, Python, TypeScript, JavaScript, SQL, Java, Bash; SQLite (FTS5, sqlite-vec), vector search, embeddings, graph retrieval, local-first architecture

Platform & Tooling: React, Node.js, Bun, FastAPI, Telnix, Clerk, Stripe, Anthropic Claude, xAI Grok, OpenAI, headless browser automation, REST APIs, Docker, Git, CI/CD, Linux

Education

The University of Texas at Austin — Austin, TX

2022 – 2025

Computer Science (B.S. coursework)

Relevant Coursework: Algorithms & Data Structures; Operating Systems; Computer Architecture; Data Science; Linear Algebra