

Homethrive - Senior Software Engineer

New York, NY | January 2026 - Present

Developed an [AI caregiving assistant](#) using AI SDK v6, combining RAG over managed content, web search tools, long-term memory and conversation persistence to deliver personalized support for [1M+ caregivers](#).

Built [Agent QA](#) - a deterministic testing framework for production AI agents, enabling YAML-based multi-turn scenario testing across tool calls, database mutations, conversation flow, token usage and hallucinations. Added multi-run reliability analysis, A/B testing, LLM-as-a-judge, per-agent token attribution and a Langfuse integration to improve observability, reliability and cost efficiency.

Inngest - Lead AI Engineer

New York, NY / San Francisco, CA | April 2025 - November 2025

Developed [AgentKit](#) - a Typescript framework for building real-time durable agents that can pause/resume reliably via checkpointing, deterministic routing, persisted state and MCP tooling - primarily designed for long-running background agents and deployable via Inngest's durable execution platform across all major cloud providers.

Integrated [long-term memory](#) and conversation persistence via a database-agnostic [history adapter](#) to resume agent runs reliably across executions. Shipped human-in-the-loop workflow capabilities - enabling agents to pause for user input/approval and continue execution inside durable functions.

Shipped a [React SDK](#) for durable, real-time streaming and thread management - enabling rapid development of production-grade agent UIs. Extended developer tooling for fine-grained agent observability including run tracing, token-usage inspection and reruns with modified prompts at any step in an agentic workflow.

Hyphen - Senior Engineering Manager

New York, NY | November 2022 - April 2025

Led 3 teams (18 engineers) building an [interoperability platform](#) integrating EHRs (Epic, Cerner, AllScripts), referral networks, HIEs and payers to support closed-loop referrals and population health reporting across NY and MA Medicaid 1115 initiatives.

Built a self-service data ingestion and analytics platform supporting REST, streaming and CSV-based onboarding, with normalization, validation and reporting workflows. Designed multi-tenant governance and least-privilege access controls for securely sharing data across healthcare organizations, backed by AWS, Kafka and Java/Quarkus.

AI Researcher & Open Source Developer

New York, NY | February 2024 - Present

Grew an audience of 15k followers on X - sharing insights from hundreds of research papers on the practical application of AI workflows, agentic systems, long-term memory, information retrieval and knowledge graphs.

Shipped [BrowserTools \(7.3k Github stars\)](#) - an open-source Typescript MCP server and Chrome extension that streams browser telemetry into AI coding agents for automated debugging/validation. Became the most widely adopted MCP server by Cursor users throughout Q1/Q2 of 2025 and [featured by A16z](#).

Healthfirst NY - Senior Software Engineer

New York, NY | February 2020 - December 2021

Designed and implemented an in-house, Vercel-like serverless deployment platform for NextJS on AWS (S3, Cloudfront, WAF, Lambda/API Gateway) - automated via Jenkins pipelines and Groovy-based CI/CD adopted by 300+ engineers to enable rapid and secure iteration of consumer healthcare web apps.

Launched member-facing NextJS applications, including benefits explorer, [provider directory](#) and [scheduling tools](#) used by 1M+ users (members, prospects, employees) - improving access to coverage and care information.

Creative Home Ideas - Software Engineer

New York, NY | February 2019 - February 2020

Developed landing pages and analytics dashboards using React/Redux & NodeJS/Express deployed on AWS EC2 and S3/Cloudfront. Improved conversions by automating email campaign flows and surfacing KPIs (traffic, revenue, funnel metrics) into both customer facing and internal dashboards.

LGO Group - Software Engineer & Business Analyst

New York, NY | June 2018 - February 2019

Built and maintained a client-facing [marketing analytics and content management platform](#) using React, Redux, Firebase and Python - visualizing global KPIs across distributed content, influencer and advertising campaigns with integrated Google Analytics and SimilarWeb data.

Co-authored and edited whitepapers for blockchain-based initial coin offerings (ICOs), translating technical concepts, token economics and product strategy into investor-facing documentation.

Creative Home Ideas - Software Engineer & IT Manager

New York, NY | September 2012 - May 2018

Built a [PLM system](#) and [file sharing application](#) (React, Node/Express, MongoDB) for bi-directional data sync between AWS and China-based cloud providers (60% cost reduction and 18x faster downloads).