

NICK HATHAWAY

Salt Lake City, UT

(385) 207-6061 | nicholashathaway@gmail.com | linkedin.com/in/nick-hathaway | github.com/nickhath

Technical Skills

AI / LLM: Large language models (LLMs), agentic systems, retrieval-augmented generation (RAG), Model Context Protocol (MCP), prompt engineering, real-time voice (speech-to-speech)

Languages & Frameworks: TypeScript / JavaScript, Python, Node.js, React, React Native, Next.js, SQL, Elasticsearch

AI Tooling: Agentic coding workflows — Claude Code (since mid-2025), Codex

Engineering: Full-stack architecture, REST API design, data pipelines, test-driven development (Jest), CI/CD, Docker, AWS, PostgreSQL

Experience

Outsmart

May 2025 – Present

Senior Software Engineer

Lehi, UT

- Pitched leadership and won buy-in to rewrite an internal AI-powered course-content generation platform used by 10 content contractors, then delivered the full-stack migration from React Native Web to Next.js + shadcn in two months.
- Eliminated significant tech debt in the rewrite — cutting dead code by 30%, replacing thousand-line legacy components, and re-architecting the codebase to be AI-extensible — laying the groundwork for in-product agentic features.
- Building the product's first in-app agentic LLM chat experience — the direction chosen after prototyping a Vellum-style workflow generator, MCP-driven exercise creation, and RAG pipelines.
- Built core features for the React Native learning app ahead of launch — a custom math keyboard, drills/exercises engine, and notifications — owning components across the app, AI tooling, and backend.

Career Break & Independent Work

Apr 2023 – May 2025

- Contributor to a pending USPTO patent for an ML/NLP-powered grammar search engine (language-learning application).
- Provided product and technical consulting to an early-stage startup — user research, MVP scoping, and feasibility assessment.
- Pursued a dedicated creative-writing practice, completing fiction and narrative-nonfiction workshops at Sackett Street Writers' Workshop, GrubStreet, and Longhand.

Opendoor

Mar 2022 – Mar 2023

Software Engineer, Full-Stack

Remote

- Implemented machine-learning models into valuation tools, enabling the sale of 40,000 homes and acquisition of 35,000 in 2022.
- Led end-to-end development of an image-sourcing feature, reducing costs by \$600,000 annually.
- Authored product requirements and integrated user feedback for an internal real-estate communication tool.

Podium

Feb 2020 – Aug 2021

Tech Lead, Search Products

Lehi, UT

- Pioneered prototyping of OpenAI's GPT-3 during the closed beta, building automated support templates, chatbots, and review responses presented directly to the CEO.
- Advised a dozen-plus teams on search-product implementation, including a search experience for a Slack-like messaging tool spanning messages, attachments, and channels.
- Led development of a design system and React library for consistent in-app reporting, grounded in user research and personas.

Podium

Oct 2018 – Aug 2019

Software Engineer

Lehi, UT

- Established a dashboard design system and React library, driving cohesion across six product teams.
- Maintained a back-end reporting pipeline supporting hundreds of millions of records.
- Rebuilt Elasticsearch indices for a search product, cutting index size 75% and improving query times.

Kilter

Jun 2019 – Feb 2020

CTO & Co-Founder

Lehi, UT

- Raised \$600,000 in a pre-seed round and drove the technical vision for a car-search MVP with sticker-level search — owning product and engineering end-to-end in a zero-to-one, high-ambiguity environment.

Projects

Persona | *OpenAI Realtime, Deepgram, ElevenLabs/Cartesia, LiveKit, Vite*

Prototype

- Real-time speech-to-speech web app for clinical pre-intake, where a non-technical collaborator shapes conversational personas for therapist and psychiatrist intake.

Thread | *React Native, Node*

TestFlight beta

- iOS mental-health companion with voice journaling, mood tracking, a support-system layer, and a PDF report generator for therapists.

Campaign Companion | *React, Node, TypeScript*

- Full-stack tool for creating and running tabletop RPG campaigns.

Education

Yale University

2018

B.A., Linguistics (Computational Focus)

New Haven, CT