

ETHAN HENNENHOEFER

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SUMMARY

AI consultant and software engineer who uses Claude Code to design systems and pipelines that automate real business tasks. Builds production software end to end: custom Claude agent skills, MCP connectors, RAG workflows, and full web applications that non-technical teams use every day. Recent Information Technology graduate (Texas Tech, May 2026) with a strong foundation in Python, SQL, and cloud computing. Seeking to apply hands-on Claude expertise to high-impact, mission-driven work.

TECHNICAL SKILLS

AI / Claude: Claude Code, Claude agent skills, Model Context Protocol (MCP) servers and connectors, Claude API, RAG with vector databases, prompt design, AI workflow automation

Software Engineering: Python, SQL (strong), JavaScript/TypeScript, C#, R • full-stack web development, mobile app development, REST APIs, Playwright/headless browser automation

Data & Platforms: ETL/ELT pipelines, data modeling • Supabase, Vercel, Microsoft Azure, ServiceNow, Git/Azure DevOps • Agile/Scrum, stakeholder communication, technical documentation

EXPERIENCE

AI Consultant (Founder) | Independent Practice – Clients: Horizon Realty Austin, Capital Factory *2026 – Present*

- Embedded AI partner for a real estate brokerage: identify manual workflows, then build **Claude agent skills** that automate them, including a new-listing marketing generator and a long-form listing presentation skill with embedded video, turning hours of manual work into minutes.
- Built a **custom MCP connector** to live MLS listing data via API, giving Claude direct access to listing details, photos, and agent information for reports, presentations, and marketing assets.
- Developed a **full web application** for social media management: staff create Instagram posts from set templates, schedule them, and auto-publish through the Instagram API, with listing photos and agent details pulled automatically from MLS data.
- Implemented **RAG workflows with vector databases** and a reusable HTML/CSS-to-image rendering pipeline (Playwright, headless Chromium) for automated, on-brand graphics generation.
- Consulted for teams at **Capital Factory**, Austin's leading startup incubator: advised on AI adoption strategy, set teams up with Claude connectors, and built workflow automations for the finance team.
- Own the full consulting loop: scoping with stakeholders, iterating on feedback, training staff on AI tools, and sending weekly written status reports to leadership.

Software Engineer Intern – AI/ML | SHI International Corp, Austin, TX *Summer 2025*

- Built AI-driven ETL workflows with **Python and Azure Functions**, integrating generative AI services with ServiceNow to automate IT service actions across cloud and on-prem systems.
- Developed the integration layer for a “Digital Human” service desk assistant and implemented **Model Context Protocol (MCP)** connectivity between heterogeneous cloud services and enterprise platforms.
- Documented backend architecture and data flows, contributing to the team's operational knowledge base.

AI Solutions Intern | Cross-Company AI Internship Program, Austin, TX *Summer 2023*

- Cut a client's proposal data pipeline from two weeks to two days (**5x throughput**) by automating data extraction, transformation, and document generation.
- Prototyped two AI-powered tools: a branding-guidelines engine for unstructured brand data and a voice-to-text real estate listing generator with automated formatting.

PROJECTS & COMMUNITY LEADERSHIP

- **Meet Live Transcriber:** built and launched a Chrome extension streaming Google Meet captions to a cloud backend (Supabase, Vercel) with a per-user checklist system; live at scribe-meets.vercel.app.
- **Co-organizer, Austin GenAI Meetup (Capital Factory):** organizing a hands-on workshop where attendees build a working AI meeting-brief agent in breakout groups.
- **Personal builds:** designed and built a complete, fully functional mobile workout app with Claude Code, in daily personal use.

EDUCATION

B.S. Information Technology, Data Analytics Track | Texas Tech University, Rawls College *May 2026*

GPA: 3.2 • Coursework: Database Systems, Data Analytics, Software Engineering, Cloud Computing

Additional: U.S. citizen, no sponsorship required • Available full-time immediately • Open to relocation nationwide