

# Daniel Kliewer

**Senior AI Systems Architect | Lead GenAI Consultant** Austin, TX • (917) 727-9624 • [danielkliewer@gmail.com](mailto:danielkliewer@gmail.com)

[GitHub](#)) | [Website](#) | [LinkedIn](#)

## Professional Summary

Highly resourceful **AI Systems Architect** and **Full-Stack Developer** with a proven track record of designing and deploying production-grade **Generative AI** and **Agentic** systems. Expert in **Advanced RAG (Graph + Vector)**, local LLM orchestration (Ollama, llama.cpp), and **Multi-Agent** frameworks (SmolAgents, LangChain). A self-taught technologist who transitioned from housing instability to tech leadership, bringing a unique perspective on **AI alignment, data integrity, and privacy-focused infrastructure**. Adept at leading complex digital transformations by bridging the gap between cutting-edge research and scalable enterprise applications.

---

## Technical Expertise

- **Generative AI & Agentic Systems:** Agentic Workflow Orchestration, SmolAgents, LangChain, Magnetic-One (Graph Orchestration), OpenAI Agents SDK, Multi-Model Agents.
  - **Advanced RAG & Data:** Vector Databases (**FAISS**, **ChromaDB**, **Pinecone**-ready), Graph Databases (**Neo4j**), Knowledge Graphs, Document-Driven Development.
  - **Languages & Frameworks:** **Python** (FastAPI, Django, Flask), TypeScript/Node.js, **SQL**, **Spark** (Distributed Systems), **R** (Statistical Processing).
  - **AI Training & Alignment:** **LLM Fine-tuning** (Gemma, LLaMa), **RLHF** (Reinforcement Learning from Human Feedback), Red-teaming, Bias Detection, Prompt Engineering.
  - **Infrastructure & DevOps:** **Docker**, Kafka, ZooKeeper, Redis Streams, Netlify, CI/CD, Local-first AI Deployment (MPS/CUDA).
- 

## Selected AI & Engineering Projects

**Agentic Reddit Blog & News Generator | Lead Architect**

- Designed a multi-agent system using **Python** and **SmolAgents** to monitor social media feeds, perform multimodal analysis (Image-to-Text), and generate human-aligned long-form

content.

- Implemented **Advanced RAG** using **Neo4j** to maintain state and memory across agentic sessions, ensuring factual consistency.

### **PersonaGen: Digital Simulacra Engine | Lead Developer**

- Built a tool to extract granular psychological and stylistic personas from writing samples using **FastAPI** and **SQLite**.
- Engineered a **Vite/React** interface allowing users to adjust persona weights (0-1) for real-time LLM output modification.

### **Infinite Local Broadcast System | Lead Developer**

- Developed a 100% local, privacy-first pipeline on a MacBook Pro M4 setup using **Ollama** for text, **ComfyUI** for video, and **EdgeTTS** for audio.
- Optimized inference latency for local environments, demonstrating mastery of the local-first AI stack.

### **GraphRAG Knowledge Management Platform | System Architect**

- Architected a **Next.js 16** and **FastAPI** platform integrating **Neo4j** for relationship extraction and **FAISS** for vector similarity search.
  - Utilized **Kafka** and **ZooKeeper** for real-time message processing and **Prometheus** for monitoring system health.
- 

## **Professional Experience**

### **Independent AI Systems Consultant | Austin, TX | 2022 – Present**

- Consult with clients on **AI Data Integrity & Bias**, helping startups evaluate the feasibility and scalability of their GenAI products.
- Develop end-to-end **Agentic AI** systems that automate complex data workflows, including a WhatsApp customer support agent using **PydanticAI** and **Supabase**.

### **Lead Data Alignment Specialist (Contractor) | Meta, Scale AI, Alignerr, Mercor | 2023 – 2025**

- Executed **RLHF** and red-teaming protocols to train and refine LLMs (GPT-4, LLaMa 3) for safety, coding proficiency, and reasoning.
- Developed custom **Python** scripts to qualify for high-tier technical annotation contracts, specializing in code generation evaluation.

### **Data & SEO Analyst | Amazon | Jan 2010 – Nov 2020**

- Conducted deep keyword research and competitive analysis using **SQL** and data mining, increasing search visibility by 40% and organic revenue by 25%.
  - Designed an AI-driven content optimization system that improved conversions by 35%.
- 

## Education & Philosophy

### **Self-Directed Computer Science & AI Curriculum | 2016 – Present**

- Completed intensive coursework in **Linear Algebra** (MIT OCW), **Data Structures**, and **Data Science** (Harvard edX).
- Continuous self-study in **Graph Theory**, **Distributed Systems**, and **LLM Architecture**.

### **Bachelor of Arts in History/Political Science | University of Mary Hardin-Baylor**

**Core Philosophy:** "*I refuse to pay to vibe code.*" A staunch advocate for **open-source, local-first AI development** to democratize technology and ensure data sovereignty.

---

## Community Leadership

- **Founder, r/locollm:** A growing community of 1,000+ developers focused on local AI.
- **Organizer, LoCo Hackathon:** Hosted the first local-LLM hackathon in Austin, promoting self-reliant AI workflows.