Kevin Houston

Applied AI & Solutions Engineering

United States | kevinmhouston1@gmail.com
linkedin.com/in/kevinmhouston | kevinmhouston.com | github.com/GChaucer

Professional Summary

Designed and launched a multilingual AI system for a services business using the OpenAI API. Brings 10+ years in customer-facing technical solutions, including API integration design at Yahoo and Criteo, measurement workshops at Meta, and enterprise system design at Johnson Controls.

Professional Experience

Independent Consulting

Applied AI Solutions Architect | Multi-Agent Systems | 04/2025 - Present

Client discovery, production AI delivery, testing, recovery, and owner training.

- Designed and launched a multilingual TypeScript system for a paying services business using the OpenAI API. Application code validates proposals from two bounded model roles and controls responses, booking links, and human escalation.
- Mapped customer-data flows across the website and scheduler and scoped CRM follow-up. Defined what to collect, how long to retain it, and how consent would work.
- Developed and ran 46 scenarios for pricing, routing, and escalation. All passed on the evaluated development revision.
- Unblocked production replies after expired quota records blocked required CMS writes. Backed up the data, removed only expired records, verified retained quota records and controls, and added scheduled retention.
- Created bespoke operating guides and trained the owners one-on-one on how to use, maintain, and pause the system.

Meta

Technical Solutions Consultant | 06/2023 - 02/2025

Contract engagement supporting ~90 enterprise advertiser accounts/month across APIs, signals, measurement, and implementation troubleshooting.

- Led discovery with enterprise advertisers and turned their data and engineering requirements into API designs and launch plans.
- Led workshops on Meta Pixel and Conversions API. Helped customer teams diagnose server-side event and mapping issues and plan how to verify their fixes.
- Authored a SQL query to recover the correct campaign audience information from outdated records. Built a separate LLM-assisted workflow that drafted SQL for internal investigations.

WaveAIO

Co-Founder, Product Director | 08/2021 - 05/2023

Windows-only consumer blockchain application. Co-founded the company and led product and team operations.

- Co-founded and led a Windows-only consumer blockchain application distributed through our secure website; owned product vision, sales, documentation, and team management.
- Directed application integration architecture using third-party blockchain endpoints, including Infura; translated user and developer feedback into roadmap priorities, integration requirements, and onboarding workflows.
- Authored product, onboarding, troubleshooting, and license-management documentation; incorporated early-adopter and testnet feedback into reusable user guides and developer handoffs.

Yahoo Inc. (Formerly Verizon Media)

Solutions Engineering Manager / Solutions Sales Engineer | 11/2020 - 02/2023

DSP API solution expertise for entertainment advertisers; Fortune 100 S2S architecture, onboarding, and launch enablement.

- Served as the DSP API subject-matter expert for entertainment advertisers; led one engineer in building the DSP onboarding implementation and guided technical discovery, integration design, and launch planning.
- Architected Fortune 100 S2S platform integrations supporting $10M+ in portfolio revenue, aligned Product, Engineering, Sales, and implementation teams, and improved technical design, validation quality, and go-live oversight.
- Created DSP API playbooks for security handoff and net-new integrations, reducing client time-to-launch by 30-35%; translated recurring integration constraints into API/SDK roadmap feedback for Product and Engineering.

Professional Experience (continued)

Criteo

Solutions Engineer | 12/2018 - 11/2020

Retail media API implementation, troubleshooting, and enablement for major accounts including Walmart Canada, CVS, and Shipt.

- Led discovery and implementation for six retail media API launches across JavaScript, S2S, catalog/feed data, and QA; standardized delivery patterns that reduced implementation timelines by 45%.
- Partnered with Engineering on a custom API algorithm change for an existing Shipt production integration, designed for long-term stability and inventory expansion; contributed to a $3M week-over-week revenue lift.
- Directed partner launch execution through SDK coordination, QA testing, technical documentation, and customer enablement, resolving integration blockers and clarifying validation requirements before rollout.

Johnson Controls (formerly Tyco Integrated Security)

Applications Engineer / Solutions Engineer | 05/2016 - 11/2018

Enterprise applications engineering and presales solution design across requirements, proposals, validation, and delivery planning.

- Designed and estimated integrated physical-security solutions for strategic enterprise opportunities; translated customer requirements into specifications, bids, RFP/SOW scopes, project plans, and implementation proposals for Sales and customer review.
- Led server-design and data-center security architecture and designed AWS-based architecture for a strategic opportunity, coordinating design, construction, field operations, vendors, and R&D.
- Supported field technicians during system startup by clarifying design intent, troubleshooting implementation issues, and supplying technical details about proposed systems and delivery requirements.

Core Skills

Technical Discovery | Solution Architecture | Enterprise API Integrations | Applied AI Deployment | Customer-Data Discovery | Launch Readiness & QA | Evaluation & Failure Analysis | Client Enablement | Product/Engineering Partnership

Technical Skills

Applied AI & Validation: OpenAI API, bounded model roles, structured outputs, schema validation, LLM evaluation, software regressions

Development & APIs: JavaScript/TypeScript, Node.js tooling, REST APIs, SDK integrations, OAuth 2.0, JSON/XML, webhooks, Python/FastAPI prototypes

Data & Measurement: SQL/Vertica, CDPs, tag managers, identity, mobile measurement, offline conversions, CRM discovery, inquiry attribution

Delivery & Tools: integration QA, incident diagnosis, private diagnostic traces, Postman, GitHub, GitBook, operating runbooks

Selected Projects

Source: Local-First Transcription

Built an open-source macOS app for microphone/system-audio capture, local faster-whisper inference, Markdown transcripts, WAV sidecars, and reusable source history.

On-device inference | macOS | Audio capture | Local artifacts

Education & Certifications

Master of Engineering
Information Engineering Management & Technology Commercialization
University of Alabama at Birmingham

B.S. Electrical & Computer Engineering | University of Alabama at Birmingham

AWS Certified Solutions Architect - Associate (previously earned)

Additional Experience

Technical Support Lead - Apple; Field Electrical Engineer - Constantine Engineering; Electrical Engineer - SSOE Group