Kevin Houston

CONTACT

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CORE COMPETENCIES

- 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

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

EDUCATION

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

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

CERTIFICATIONS

- AWS Certified Solutions Architect - Associate (previously earned)

CURRENT CLIENT DELIVERY

- Production multi-agent system
- Customer-data and CRM discovery
- Evaluation and operating controls
- Bespoke guides and live training

Applied AI & Solutions Engineering

Enterprise APIs · Customer Data · Evaluation · Production Delivery

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.

CAREER HIGHLIGHTS

Applied AI Delivery
Multilingual production AI system; 46/46 authored development scenarios passed, with application validation, controlled recovery, and client enablement.

Enterprise Integration
Yahoo DSP API subject-matter expertise, technical leadership, Meta measurement workshops, and discovery-to-launch delivery.

Customer-Data Architecture
Website, scheduler, CRM and contact-flow discovery; consent, data minimization, inquiry attribution, and follow-up design.

PROFESSIONAL EXPERIENCE

Independent Consulting

04/2025 - Present

Applied AI Solutions Architect | Multi-Agent Systems

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

06/2023 - 02/2025

Technical Solutions Consultant

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

08/2021 - 05/2023

Co-Founder, Product Director

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.

KEY PLATFORMS & APIS

OpenAI API · TypeScript · REST APIs · SQL · Meta Conversions API · Yahoo DSP/SSP · Criteo Retail Media · Postman

ADDITIONAL EXPERIENCE

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

DELIVERY PRACTICE

- Discovery and implementation scope
- Evaluation and failure analysis
- Technical workshops and playbooks
- Client-to-Product feedback

PROFESSIONAL EXPERIENCE (CONTINUED)

Yahoo Inc. (Formerly Verizon Media)

11/2020 - 02/2023

Solutions Engineering Manager / Solutions Sales Engineer

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.

Criteo

12/2018 - 11/2020

Solutions Engineer

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)

05/2016 - 11/2018

Applications Engineer / Solutions Engineer

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.

BY THE NUMBERS

10+
Years across customer-facing solutioning, implementation, and enablement

$10M+
Portfolio revenue supported through Fortune 100 S2S integrations

45%
Reduction in implementation timelines across six retail media API launches

$3M
Contributed to Shipt week-over-week revenue lift through a production API algorithm change

TECHNICAL PROFICIENCIES

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

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

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

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

SELECTED OPEN-SOURCE PROJECT

Source: Local-First Transcription

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

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