

Keith Steward, Ph.D.

AI Product Leader | Agentic AI Product Builder

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[LinkedIn](#) | [IntelligentDataWorks.ai](#) | [IDW LinkedIn](#)

PROFILE

Hands-on AI product leader who turns ambiguous customer problems into working prototypes, scalable platforms, and measurable workflow improvements. Combines product discovery, agentic coding, LLM applications, cloud architecture, security, governance, and executive demonstrations with a technical founder's ownership mindset. Built an 11-engineer team and shipped a production platform within eight months, supporting 70+ automations across more than 20 workflows and accelerating selected work by up to 50x. Brings the judgment to validate direction quickly and guide customer-centered AI products from concept through adoption.

SELECTED QUALIFICATIONS

- **AI Product Discovery:** customer interviews, workflow analysis, jobs-to-be-done, requirements, roadmaps, prioritization, and adoption
- **AI-Native Prototyping:** agentic coding, Codex, LLM applications, AI agents, RAG, MCP, evaluation, and rapid working demos
- **Product Delivery:** cross-functional leadership, Agile iteration, architecture tradeoffs, SaaS launches, feedback loops, and measurable outcomes
- **Enterprise Credibility:** executive demonstrations, AWS architecture, security, governance, APIs, observability, and production operations

PROFESSIONAL EXPERIENCE

Technical Co-Founder | Intelligent DataWorks | Boston, MA | Aug 2023 to Present

Own AI product direction, customer discovery, architecture, rapid prototyping, engineering execution, and operations while remaining hands-on.

- Turned customer and workflow research into the AssistX product roadmap, working prototypes, and a production AI platform spanning Python, FastAPI, PostgreSQL/PGVector, LLMs, RAG, agents, APIs, voice interaction, and AWS.
- Delivered the first commercial release within eight months; the platform supports 70+ automations across more than 20 workflows and accelerates selected work by up to 50x.
- Used agentic coding and code-generation tools for more than half of platform development, personally prototyping product flows and mentoring an 11-engineer Agile team in AI-native development practices.
- Translated user feedback into product requirements, UX changes, reusable platform capabilities, and production releases while balancing speed, security, governance, evaluation, observability, and maintainability.
- Demonstrated the product to prospective customers, validated hundreds of user signups at launch, and estimated annual savings of approximately \$54,000 per adopting organization.
- Initiated strategic acquisition discussions regarding IDW's AI platform as part of a planned transition to a senior AI/engineering leadership role.

Senior Director of Engineering | SuccessKPI | Remote | Jun 2022 to Aug 2023

Partnered with product management and customers to define and deliver an AI-powered Workforce Management SaaS product.

- Converted detailed product requirements into product increments, cloud architecture, forecasting and optimization algorithms, APIs, testing, CI/CD, and two-week Agile releases.
- Recruited and led a seven-person distributed team through product discovery, technical tradeoffs, iterative development, and production delivery on AWS.
- Delivered the first working release within six months for two flagship enterprise customers and expanded the platform to additional large organizations.

Senior Director, Data Analytics & Operations | TriMark USA | Mansfield, MA | Aug 2021 to May 2022

Owned enterprise data modernization for a \$1B+ organization integrating 11 acquired businesses and heterogeneous ERP systems.

- Prioritized 50+ analytics use cases with Finance, Marketing, Supply Chain, and technology leaders and secured support for an AWS data strategy.
- Upskilled four analysts and grew the team to seven AWS engineers with hiring, mentoring, planning, budget, risk, and delivery accountability.

- Established nightly data ingestion, cataloging, consolidation, normalization, and global querying across 11 geographically distributed ERP environments.
- Delivered the first AWS data lake within seven months and reduced cross-ERP reporting from roughly two months to one day.

Technical Lead, Cloud Data Privacy & AI Governance | MassMutual | Boston, MA | Nov 2020 to Aug 2021

Led architecture and hands-on implementation across five enterprise Data Privacy and AI Governance initiatives.

- Converted policy and product requirements into secure cloud architecture, APIs, automated infrastructure, testing, CI/CD, and production releases.
- Delivered the first cloud-native privacy-rights platform within eight months, automating approximately 90% of a manual workflow.
- Partnered with Enterprise Architecture and SRE on IAM, serverless patterns, managed services, infrastructure automation, resilience, and cloud operating standards.
- Guided model-governance practices for evaluation, transparency, bias, drift, monitoring, auditability, lifecycle controls, security, and human oversight.

VP of AI/ML | NorthBay Solutions | Boston, MA | Jan 2019 to Nov 2020 | (Role ended in company-wide COVID layoff).

Recruited out of AWS by the NorthBay Solutions CEO to establish a new AI/ML practice and reusable production data-and-ML capability.

- Built an AWS Data Lake and ML accelerator hands-on with Python, Django, React, APIs, and AWS, then directed a 24-person remote team toward delivery.
- Delivered an AWS Neptune knowledge graph integrating complex hierarchical enterprise data and expanded reusable cloud and AI architectures for customers.
- Advised enterprise customers on AI strategy, data platforms, knowledge graphs, solution architecture, and production implementation.

Senior Specialist Solutions Architect, AI/ML & Big Data | Amazon Web Services | Boston, MA | May 2015 to Dec 2018

Advised enterprises and AWS teams on production machine learning, distributed analytics, data platforms, and cloud adoption.

- Advised 200+ enterprises on AI/ML strategy, production architecture, SageMaker, data lakes, distributed systems, security, and scalable adoption.
- Created and led global Big Data and AI/ML communities, developing 180+ specialists through standards, mentoring, workshops, and reusable assets.
- Built a SageMaker and TensorFlow forecasting hackathon for Morgan Stanley data scientists and created 170+ technical enablement assets.
- Delivered 50+ technical presentations and workshops and earned AWS ML Elite Gold and Platinum recognition.

EARLIER RELEVANT EXPERIENCE

- Brought five commercial SaaS products to market across AI, workforce technology, bioinformatics, and regulated connected systems.
- At CambridgeSoft, partnered with product management and led a 25-person distributed team delivering enterprise scientific software for major pharmaceutical customers.

EDUCATION & RECOGNITION

Ph.D., Molecular Biology / Microbiology & Immunology, University of Western Ontario. AWS ML Elite Gold and Platinum; AWS re:Invent Rockstar; named inventor on multiple patents.

TECHNOLOGIES

Agentic coding • Codex • Generative AI • LLMs • AI agents • RAG • MCP • AI evaluation • workflow automation • product discovery • requirements gathering • rapid prototyping • customer demonstrations • Python • FastAPI • REST APIs • LangChain • LangGraph • PostgreSQL • PGVector • vector search • AWS • SageMaker • AWS Bedrock AgentCore • AWS CDK • Docker • Kubernetes • CI/CD • security • AI governance • observability • human oversight • data platforms • Spark • forecasting • optimization • multi-tenant SaaS • Streamlit • HTML • CSS