

Keith Steward, Ph.D.

Boston, MA | 508-318-8035 | keith.steward@gmail.com | linkedin.com/in/keithsteward | IntelligentDataWorks.ai

EXECUTIVE PROFILE

AI, data, and cloud technology executive with 25+ years building production AI/ML, analytics, SaaS, and enterprise software systems. Most recently founded Intelligent DataWorks to commercialize a GenAI + business-data assistant platform using LLMs, agents, RAG, workflow orchestration, vector search, and AWS cloud services. Former AWS Sr. Specialist Solutions Architect for AI/ML and Big Data who advised 200+ enterprise customers and created technical communities that enabled 80+ solution architects.

Career Note: Following four years at AWS, I accepted three successive executive leadership opportunities to build new AI, Data Analytics, and governance capabilities in organizations undergoing significant transformation. In 2023 I founded Intelligent DataWorks inc. to commercialize an enterprise GenAI + Business Data platform, and I am now seeking a long-term executive leadership opportunity following a planned strategic transition of that business.

EXECUTIVE VALUE PROPOSITION

Executive leader combining AI automation strategy, distributed engineering leadership, ML systems delivery, and scalable AI platforms with hands-on technical depth, organization building, and measurable enterprise delivery.

AI SKILLS / TECHNOLOGIES

AI Leadership: enterprise AI strategy, applied AI productization, AI governance, responsible AI, executive stakeholder advisory, product-engineering alignment, AI adoption programs.

Generative AI: LLMs, AI agents, agentic workflows, LangChain, LangGraph, OpenAI APIs, Anthropic Claude, RAG, vector search, workflow design, evaluation and cost controls.

Cloud / Data / Engineering: AWS SageMaker, Bedrock, EMR, Glue, Athena, S3, Lambda, Step Functions, API Gateway, Aurora, PostgreSQL/PGVector, Kubernetes, Docker, Python, SQL, CI/CD, observability.

CAREER HIGHLIGHTS

- Founded and led an AI startup commercializing enterprise GenAI + business data workflows.
- Architected AssistX, a production-grade AI Assistant platform delivering 70+ automations across 20+ HR and business workflows.
- Built and directed an 11-engineer AI/product engineering organization.
- Advised 200+ enterprise AWS customers on AI/ML, data lakes, cloud architecture, and adoption strategy.
- Established AI governance and data privacy engineering capabilities at MassMutual.
- Recruited from AWS by NorthBay's CEO to create a new AI/ML practice.

PROFESSIONAL EXPERIENCE

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

Founded an AI startup combining Generative AI and Business Data to bring workflow-accelerating AI assistants to market.

- Created AI strategy, product architecture, engineering execution, and commercialization plans for an applied AI SaaS company.
- Designed AssistX using LLMs, AI agents, RAG pipelines, PostgreSQL/PGVector, LangChain, LangGraph, and AWS cloud services.
- Automated and accelerated 20+ HR and business workflows through 70+ AI-driven automations, with selected workflows improved up to 50x.
- Directed an 11-engineer Agile organization spanning AI architecture, backend systems, cloud infrastructure, product delivery, and platform operations.
- Established reusable AI platform foundations for expansion into additional enterprise workflow domains.

Sr. Engineering Director, Workforce Management Service | SuccessKPI | Jun 2022 to Aug 2023

Directed engineering, architecture, and delivery for the Workforce Management component of an AI-powered contact-center analytics SaaS platform.

- Organized a 7-member distributed engineering team building AWS-based forecasting, optimization, scheduling, and analytics capabilities.
- Translated product requirements into cloud architecture, AI-based forecasting, software design, and delivery

plans.

- Introduced early generative AI software capabilities to senior management and advocated strategic adoption.

Sr. Director, Data Analytics & Operations | TriMark USA | Aug 2021 to May 2022

Recruited to build the company's first enterprise data lake across 11 ERP systems and support enterprise-wide analytics.

- Created an AWS data lake strategy enabling data engineering, analytics, and future machine learning capabilities.
- Partnered with executive stakeholders to prioritize 50+ analytics use cases and KPIs.
- Reduced cross-ERP reporting cycles from roughly 2 months to 1 day.

Technical Lead for Cloud, Data Privacy and AI Governance | MassMutual | Nov 2020 to Aug 2021

Established enterprise AI governance and data privacy engineering capabilities for cloud-native systems.

- Delivered AWS-based privacy rights management, enterprise data catalog, adaptive policy, and governance API capabilities.
- Advised AI Governance & Ethics teams on MLOps, model transparency, bias, and drift detection using SageMaker.
- Automated approximately 90% of a formerly manual privacy-rights workflow.

VP of Machine Learning & AI | NorthBay Solutions | Jan 2019 to Nov 2020

Recruited out of AWS by NorthBay's CEO to head a new AI/ML practice; the role ended during the 2020 COVID revenue collapse and company-wide layoff.

- Expanded AI/ML capability through customer advisory, solution architecture, development, and team leadership.
- Delivered AI/ML and analytics solutions for customers including Dun & Bradstreet, Harvard Business School, and Invesco.
- Originated an AWS-based Data Lake + ML Accelerator SaaS initiative.

Sr. Specialist Solutions Architect AI/ML, Big Data & Analytics | Amazon Web Services | May 2015 to Dec 2018

Operated as a senior field specialist helping enterprises adopt AI/ML, big data, analytics, and cloud-native architectures.

- Created AWS's internal AI/ML Technical Field Community for 80+ global solution architects and subject matter experts.
- Advised 200+ customers across AI/ML, data lake, analytics, and cloud transformation programs.
- Delivered 36+ formal AI/ML presentations and received AWS ML Elite Gold and Platinum awards.

PATENTS / PUBLICATIONS / SPEAKING

- United States Patent No. US 8,793,073 and US 8,489,334.
- BioWizard Intelligent Agent Architecture patent application for genomic knowledge discovery.
- 36 formal presentations on Machine Learning, Deep Learning, and Artificial Intelligence.
- AWS re:Invent Rockstar and AWS Certification SME recognition.

EDUCATION

- Ph.D., Molecular Biology / Microbiology & Immunology, University of Western Ontario, Canada.
- Hon. B.Sc., Microbiology & Immunology, University of Western Ontario, Canada.
- Canadian Medical Research Council Post-Doctoral Research Fellowship.