

Keith Steward, Ph.D.

Chief AI Officer Advisor | Enterprise AI Transformation Executive

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PROFILE

Chief AI officer advisor who helps executive teams turn fragmented AI experimentation into governed operating capability and measurable business value. Combines AI strategy, portfolio prioritization, workflow automation, vendor evaluation, governance, change leadership, and hands-on technical judgment. Built an 11-engineer organization and a platform supporting 70+ automations across more than 20 workflows, while advising 200+ AWS enterprises. Brings a strategy-through-execution approach to defining roadmaps, aligning stakeholders, and scaling responsible AI across complex organizations.

SELECTED QUALIFICATIONS

- **Enterprise AI Strategy:** maturity assessment, opportunity portfolios, executive roadmaps, operating models, investment priorities, KPIs, and measurable value
- **Transformation & Adoption:** workflow redesign, intelligent automation, change leadership, practitioner enablement, stakeholder alignment, and adoption governance
- **Responsible AI:** governance frameworks, privacy, security, model risk, transparency, bias, drift, monitoring, human oversight, and auditability
- **Executive Advisory:** board and C-suite communication, structured problem solving, vendor evaluation, technical due diligence, decision support, and accountable execution

PROFESSIONAL EXPERIENCE

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

Own AI strategy, product direction, architecture, engineering, governance, commercialization, and operating outcomes while remaining hands-on.

- Defined the strategy and roadmap for AssistX, a reusable enterprise AI platform combining LLMs, RAG, AI agents, workflow orchestration, enterprise data, APIs, and AWS cloud services.
- Recruited and technically led an 11-engineer Agile organization within a 16-person company, selecting the team from 400+ applicants and establishing architecture, development, security, and delivery practices.
- Delivered the first commercial release within eight months; 70+ automations across more than 20 workflows accelerate selected work by up to 50x and showed estimated annual savings of approximately \$54,000 per adopting organization.
- Evaluated OpenAI, Amazon Bedrock, Claude, Cerebras, and open-weight models while establishing production controls for prompts, inputs, security, governance, evaluation, and observability.
- Led customer discovery, executive demonstrations, pricing, partnership, and acquisition discussions; 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

Directed architecture and engineering for an AI-powered contact-center Workforce Management SaaS product.

- Recruited and led a seven-person distributed engineering team, translating product requirements into architecture, forecasting, optimization, integrations, and production delivery.
- Delivered the initial workforce-management SaaS release within six months and onboarded enterprise and government customers.
- Established Agile, testing, CI/CD, quality, mentoring, and cross-functional product-engineering practices for a new commercial platform capability.

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.

- Aligned Marketing, Supply Chain, Finance, and technology executives around 50+ analytics use cases and secured support and funding for an AWS data strategy.
- Upskilled four analysts and grew the organization to seven AWS engineers, owning hiring, coaching, planning, budget, risk, delivery, and executive reporting.
- Delivered the first enterprise 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.

- Led cloud implementation across five privacy and AI-governance initiatives, partnering with product, Enterprise Architecture, SRE, governance, and ethics leaders.
- Advised on model inventory, ownership, risk classification, transparency, bias, drift, monitoring, human oversight, security, and auditability using SageMaker and enterprise controls.
- Delivered a privacy-rights platform within eight months that automated approximately 90% of a manual workflow while establishing reusable AWS, IAM, CI/CD, and CDK patterns.

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 the AI/ML consulting capability and advised enterprise clients on AI strategy, data platforms, machine learning, knowledge graphs, and production architectures.
- Pitched and secured CEO approval for an AWS Data Lake and ML Accelerator, built the initial system hands-on, and led a 24-person distributed team toward commercial delivery.
- Combined executive advisory, reusable architectures, demonstrations, and implementation leadership to expand the company's enterprise AI portfolio.

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 and C-level stakeholders on AI/ML, data, cloud strategy, production architecture, and organizational adoption across financial services and other industries.
- Created global Big Data/Analytics and AI/ML Technical Field Communities totaling 180+ specialists, establishing operating cadence, standards, mentoring, and field readiness.
- Developed 170+ technical assets, trained 180+ Solution Architects, and delivered 50+ presentations and workshops on SageMaker, TensorFlow, EMR, Athena, Spark, and emerging AI services.
- Helped enterprise leaders evaluate technology choices and translate business priorities into secure, scalable architectures, earning AWS ML Elite Gold and Platinum recognition.

EARLIER RELEVANT EXPERIENCE

- Commercialized five SaaS and cloud products spanning applied AI, workforce technology, data platforms, scientific software, and regulated connected systems.
- Advised financial-services organizations including JPMorgan Chase, Morgan Stanley, MassMutual, Guardian Life, Fidelity, Goldman Sachs, and State Street on AI, data, cloud, and governance initiatives.

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

AI strategy • digital transformation • workflow automation • Generative AI • LLMs • AI agents • agentic AI • RAG • multi-agent systems • MCP • LangChain • LangGraph • AI governance • Responsible AI • model transparency • bias detection • drift detection • human oversight • auditability • MLOps • AI evaluation • observability • vendor evaluation • Python • FastAPI • REST APIs • PostgreSQL • PGVector • vector search • AWS • SageMaker • AWS CDK • data platforms • data lakes • Spark • knowledge graphs • Docker • Kubernetes • CI/CD • security