

Keith Steward, Ph.D.

Technology & AI Transformation Executive | Enterprise Platforms & Operations

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

PROFILE

Technology executive who unifies AI, data, cloud platforms, cybersecurity, governance, and product delivery into a practical operating roadmap. Combines executive planning and organization leadership with hands-on architecture across AWS, enterprise data, integrations, responsible AI, SaaS, and internal systems. Built an 11-engineer organization and a production platform supporting 70+ automations across more than 20 workflows, while previously consolidating data across 11 acquired businesses. Brings the judgment to sequence investments, manage risk, modernize operations, and translate technology into measurable mission and business outcomes.

SELECTED CAREER HIGHLIGHTS

- Owned technology, AI, data, security, infrastructure, roadmap, budget, staffing, delivery, and operations for a production enterprise platform.
- Built and led an 11-engineer team that delivered 70+ AI capabilities across more than 20 workflows with 99.9% availability.
- Defined an enterprise data strategy spanning 50+ use cases and delivered an AWS data lake integrating 11 acquired businesses in seven months.
- Led cloud implementation across five privacy and AI-governance initiatives, including security, transparency, bias, drift, monitoring, and auditability.
- Advised 200+ enterprises and developed global AWS technical communities totaling 180+ specialists.

PROFESSIONAL EXPERIENCE

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

Own technology and product strategy, architecture, budgets, staffing, delivery, security, infrastructure, and production operations.

- Defined a multi-year technology and product roadmap spanning AI, enterprise data, internal systems, customer-facing applications, and reusable platform capabilities.
- Recruited and technically led 11 engineers while owning a \$900,000 budget, priorities, architecture, releases, security, AWS operations, and delivery standards.
- Delivered 70+ AI capabilities across more than 20 workflows, validated with 150+ early users and operated with 99.9% availability.
- Implemented infrastructure as code, identity and access controls, observability, evaluation, data governance, and CRM-integrated workflow automation.
- 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

Built and led engineering for an AI-powered workforce-management component of a cloud-native contact-center SaaS platform.

- Recruited and led an 11-person organization, including a manager, spanning software, data, platform, security, BI, and quality engineering.
- Owned Agile execution, architecture, operational priorities, performance reviews, bonus allocation, team capacity, and a \$600,000 budget.
- Delivered forecasting, scheduling, optimization, analytics, APIs, and integrations for enterprise and government customers.

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.

- Partnered with Finance, Marketing, Supply Chain, and executives to define and prioritize more than 50 analytics use cases and KPIs.
- Delivered the first AWS enterprise data lake in seven months, integrating 11 acquired businesses and reducing reporting from roughly two months to one day.
- Upskilled an initial four-person analytics team and expanded it into a seven-member AWS engineering organization with additional contractors.

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

- Led a 25-person CambridgeSoft engineering organization delivering enterprise software and cloud capabilities.
- Directed cloud and software delivery for an FDA-cleared connected product and its fault-tolerant AWS/Cassandra platform.

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

technology strategy • AI strategy • enterprise architecture • product strategy • program management • project management • roadmaps • portfolio prioritization • Generative AI • LLMs • AI agents • RAG • Responsible AI • AI governance • data governance • cybersecurity • data privacy • risk management • AWS • cloud infrastructure • system administration • access controls • IAM • enterprise data • data lakes • analytics • dashboards • CRM • SuiteCRM • enterprise integration • REST APIs • distributed systems • PostgreSQL • Python • FastAPI • Docker • Kubernetes • AWS CDK • CI/CD • observability • Agile delivery • vendor evaluation