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Executive Summary

AI, data, and platform engineering executive with 25+ years building enterprise SaaS, AI/ML systems, cloud data platforms, analytics, and governed production AI. Strong match for Lyra Health's VP of Data and AI role through direct experience leading AI strategy, data engineering, ML platforms, advanced analytics, AWS architecture, data governance, executive stakeholder alignment, and distributed technical teams.

Core Skills Matched to Lyra Health

Data and AI Strategy: enterprise AI roadmap, multi-year data strategy, product and operating model alignment, executive/board communication, measurable business impact.

AI/ML Delivery: GenAI, LLMs, RAG, agentic AI, ML lifecycle, MLOps, model governance, AI automation, responsible AI controls.

Data Platforms: AWS, Snowflake/warehouse patterns, data lakes, pipelines, BI, analytics, data quality, governance, privacy, security.

Most Relevant Experience

Intelligent DataWorks, Inc. | Technical Co-Founder & CEO | Boston, MA | 2023-Present

- Founded and lead an AI SaaS company building AssistX, a production GenAI platform using LLMs, AI agents, RAG, workflow orchestration, vector search, APIs, and AWS cloud services.
- Own AI product strategy, technical roadmap, architecture, operating cadence, customer validation, and delivery execution across product, engineering, data, and security needs.
- Recruited and technically led an 11-engineer Agile team delivering 70+ AI automations across more than 20 HR workflows, accelerating selected workflows up to 50x.
- Built reusable capabilities for tool-using agents, retrieval and grounding, enterprise data integration, workflow automation, prompt/evaluation loops, and secure production AI adoption.
- Delivered first commercial release within 8 months and attracted hundreds of user signups at launch. Note: IDW is currently pursuing a strategic sale to an acquirer.

SuccessKPI | Senior Director of Engineering | Remote, VA | 2022-2023

- Led architecture and delivery of a cloud Workforce Management SaaS platform on AWS, translating product strategy into platform capabilities, algorithms, delivery plans, and Agile execution.
- Directed a distributed 7-member engineering team through CI/CD, automated deployment, QA collaboration, production readiness, service reliability, and customer delivery.
- Delivered AI-driven forecasting, optimization, scheduling automation, data visualization, and automated communications for enterprise contact-center operations.
- Launched WFM for four large customers, including a global cosmetics company, government services organization, U.S. Department of State, and Department of Education.

TriMark USA | Sr. Director, Data Analytics & Operations | Greater Boston | 2021-2022

- Led enterprise data platform strategy for a \$1B+ company with 11 acquired divisions, aligning executives around 50+ analytics use cases and KPI priorities.
- Defined and delivered the company's first AWS data lake with ingestion, cataloging, normalization, and analytics capabilities across fragmented ERP systems.
- Reduced selected cross-division reporting cycles from roughly two months to one day while building organizational data platform capability.

MassMutual | Head of Cloud Software & Technical Leadership, Data, Privacy & AI Governance | Boston, MA | 2020-2021

- Led AWS architecture and implementation across Privacy Rights Management, Enterprise Data Catalog, Adaptive Policy Framework, Governance API, and AI Governance initiatives.
- Aligned product, architecture, SRE, security, legal/privacy, data, and AI Governance stakeholders around platform capabilities and operating controls.
- Provided MLOps guidance for model transparency, bias, drift, auditability, and governance using Amazon SageMaker.

Amazon Web Services | Sr. Specialist Solutions Architect, AI/ML and Big Data | Boston, MA | 2015-2018

- Advised 200+ enterprise customers on AI, machine learning, analytics, cloud platforms, and data architecture, helping executives evaluate strategy, architecture, adoption, and delivery tradeoffs.
- Founded and led AWS internal Big Data and AI/ML communities, mentoring 100+ global Solution Architects and building reusable enablement programs.
- Built and taught workshops using SageMaker, TensorFlow, EMR, Athena, Spark, Glue, S3, Lambda, Step Functions, and AWS data/AI services.
- Presented 36+ AI/ML and analytics talks and developed an early intelligent-agent architecture presented at AWS re:Invent.

Other Experience

NorthBay Solutions | VP of AI/ML | Boston, MA | 2018-2020

Expanded AI/ML delivery capacity for enterprise clients, proposed an AWS Data Lake Accelerator approved by the CEO, and led cloud, analytics, and AI solution delivery. COVID evaporated company revenues, and Keith was part of a large group of layoffs.

Earlier Product, Cloud, and Informatics Leadership | 1995-2015

Held director and senior technical roles building commercial SaaS, cloud, bioinformatics, analytics, and knowledge-discovery systems.

Notable Achievements

- Recipient, prestigious Canadian Medical Research Council Post-Doctoral Research Fellowship.
- Named inventor on U.S. Patents US 8,793,073 and US 8,489,334, plus BioWizard intelligent agent architecture patent application.
- Delivered 36+ formal conference and executive technical presentations, including AWS re:Invent and industry events.
- Recipient of AWS ML Elite Gold and ML Elite Platinum recognition.
- Original developer of Ingenuity Pathway Analysis, a globally adopted commercial bioinformatics product.

Education

Ph.D., Molecular Biology and Software Development, University of Western Ontario
