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Executive Summary

Deeply technical AI, data, and software engineering executive with 25+ years building production AI/ML, analytics, cloud, and SaaS platforms. Strong match for PadSplit's Vice President Data AI Strategy role through direct experience in data and AI strategy, analytics, machine learning, responsible AI adoption, executive leadership, and business outcomes. Current Technical Co-Founder and CEO of Intelligent DataWorks; former AWS AI/ML and Big Data specialist leader advising 200+ enterprise customers on scalable cloud, analytics, and machine learning adoption.

Core Skills Matched to PadSplit

Data and AI Strategy: enterprise data strategy, AI adoption, analytics leadership, ML platforms, data governance, responsible AI, business transformation.

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Productized AI: AI assistants, workflow automation, RAG, AI agents, product roadmaps, measurable productivity gains, customer validation.

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Executive Leadership: CTO partnership, cross-functional alignment, team building, stakeholder communication, KPI-driven management, commercialization.

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 Generative AI assistant platform using LLMs, AI agents, RAG, workflow orchestration, vector search, APIs, and AWS cloud services.
- Recruited and technically led an 11-engineer Agile team delivering 70+ GenAI automations across more than 20 workflows, accelerating selected HR workflows up to 50x versus manual processing.
- Own product vision, platform architecture, AI roadmap, engineering standards, customer validation, fundraising support, and delivery execution while remaining hands-on in Python, AWS, and AI orchestration.
- Built reusable platform patterns for multi-tenant workflow automation, model integration, retrieval, prompt/evaluation loops, and governed enterprise AI adoption.
- Delivered the first commercial release within 8 months and attracted hundreds of user signups at launch.

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

- Led architecture and delivery of a cloud Workforce Management SaaS platform on AWS, translating product requirements into architecture, algorithms, work breakdown, and Agile execution plans.
- Recruited and directed a distributed 7-member engineering team through CI/CD, unit testing, automated deployment, QA collaboration, customer delivery, and production-readiness practices.
- Delivered AI-driven forecasting, optimization, linear programming scheduling, data visualization, and automated communications for enterprise contact-center operations.
- Launched WFM for 4 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 data platform strategy for a \$1B+ enterprise with 11 acquired divisions and fragmented ERP systems, aligning stakeholders around 50+ analytics use cases and KPIs.
- Defined and secured support for an AWS data lake roadmap, then grew and upskilled a 7-person analytics and engineering team to deliver the company's first cloud data platform.
- Delivered automated nightly ingest, cataloging, and normalization pipelines that reduced some cross-division reporting from two months to one day.

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, and Governance API programs.
- Partnered with product managers, enterprise architecture, SRE, and AI Governance teams to translate requirements into cloud-native architectures and governance-ready systems.
- Provided MLOps guidance for model transparency, bias, and drift controls using Amazon SageMaker, and delivered a cloud-native privacy platform that automated roughly 90% of a formerly manual workflow.

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

- Advised 200+ enterprise customers on AI, machine learning, big data, and cloud architecture, contributing to major AWS adoption decisions across Fortune 1000 organizations.
- Founded and led AWS internal Big Data and AI/ML technical communities, mentoring 100+ global Solution Architects and developing enablement programs, workshops, and field content.
- Built and taught hands-on programs using SageMaker, TensorFlow, EMR, Athena, Spark, Glue, S3, Lambda, Step Functions, and related AWS services.
- Presented more than 36 formal AI/ML and analytics talks and developed an early agent architecture presented at AWS re:Invent.

Other Experience

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

Reported to the CEO and expanded AI/ML delivery capacity for enterprise customers including Dun & Bradstreet, Harvard Business School, Invesco, Carnival Cruise Lines, and Scholastic. Proposed and led an AWS-based Data Lake Accelerator initiative with a large remote engineering team. 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 at Dimensional Photonics, Cambridgesoft, Bacterial Barcodes, Gene Logic, Monsanto, Ingenuity Systems, Spectral Genomics, and Wyeth/Pfizer, 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