Samuel Clark

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Summary

Engineering leader with deep expertise in MLOps, ML, AI governance, and enterprise SaaS. Proven success building secure, compliant, and scalable ML infrastructure for regulated and enterprise industries. Former Director of Engineering at DataRobot, where I scaled model management and monitoring systems to billions of daily predictions while helping grow engineering from 15 to 250 as the company expanded from 65 to 1,400 employees. Open to leadership roles at the Director/VP level, as well as senior IC positions that leverage my depth in AI/ML infrastructure.

Experience

DataRobot — Boston, MA

Director of Engineering, MLOps | 2019 – 2025

- Directed the Model Management and Monitoring organization, building an industry-leading AI governance and observability platform.
- Defined strategy and roadmap for model governance, monitoring, drift detection, and explainability, supporting thousands of production ML models in enterprise environments.
- Partnered cross-functionally with product, data science, and infrastructure teams to ensure scalability and adoption of AI/ML solutions.
- Scaled distributed teams of 25 engineers, including senior ICs and managers.

Data Ingestion & Scale Lead | 2015 – 2017

- Owned ingestion and scaling infrastructure powering DataRobot’s core AI platform, enabling data pipelines for billions of predictions daily.
- Designed and scaled distributed ingestion services across multi-cloud/on-prem environments.
- Improved reliability and throughput of data infrastructure, accelerating model training and deployment for enterprise customers.

Earlier Career

Engineering and technical leadership roles spanning enterprise SaaS, infrastructure, and ML/AI systems, with a track record of building distributed systems and delivering production-grade platforms. Includes roles at Kanjoya and Buzzient.

Skills

Leadership & Domain:	Engineering Leadership; AI/ML Governance; MLOps; Enterprise SaaS Scaling; Cross-functional Collaboration; Organizational Growth; Executive Stakeholder Management
Distributed & Cloud Systems:	Multi-cloud and on-prem Kubernetes; Hadoop
Data Infrastructure:	Production-scale Postgres; Elasticsearch; MongoDB for enterprise workloads
ML/MLOps Platforms:	Model governance; deployment; monitoring; observability; data pipelines; orchestration

Programming & DevOps: Python; Docker; CI/CD; scalable microservices

Cloud Platforms: AWS; GCP; Azure

Education

Swarthmore College
BA, Computer Science
2009 – 2013