Matt Oremland, PhD

Data Governance and Analytics Leadership

mattoremland@gmail.com • (518) 560-1473 • Saratoga Springs, NY 12866
https://www.linkedin.com/in/matthew-oremland-31a312101

PROFESSIONAL SUMMARY

Strategic data leader with 10+ years driving enterprise data initiatives across pharmaceutical and consulting environments. Proven expertise building scalable data platforms on Snowflake, establishing data governance frameworks, and leading cross-functional teams to deliver measurable business outcomes. Deep experience in regulatory compliance, data quality improvement, and modernizing data practices to enable self-service analytics and AI/ML capabilities.

PROFESSIONAL EXPERIENCE

Redica Systems   April 2025 – February 2026
Director, Data Strategy & Analytics   *Remote*

- Designed and executed enterprise data governance strategy for multi-client pharmaceutical regulatory intelligence platform, establishing data ownership models and quality frameworks across Eli Lilly, Merck, and ProQuality Network engagements
- Built reference data architecture on Snowflake to harmonize multi-source client data, developing automated data quality validation processes that identified and resolved inconsistencies across heterogeneous datasets
- Led cross-functional initiatives to operationalize data policies, implementing role-based access controls and audit logging for FDA-regulated data to ensure compliance with pharmaceutical quality standards
- Established metadata standards and data lineage practices for regulatory intelligence datasets, enabling self-service analytics while maintaining data integrity and traceability for audit purposes
- Mentored data engineering teams on governance best practices and owned vendor management for data platform tools and services

Tidal Wave Analytics LLC   January 2025 – Present
Consulting Data Scientist   *Saratoga Springs, NY*

- Delivered end-to-end data management solutions on Databricks and Snowflake platforms for clients across building supply and tax technology sectors, implementing data quality frameworks and pipeline observability
- Architected and deployed production ML pipelines with embedded data lineage tracking, quality monitoring, and automated validation checkpoints to ensure model reliability and governance compliance
- Partnered directly with VP-level stakeholders and data product owners to translate business requirements into scalable data architecture, managing capacity planning and cross-functional delivery
- Implemented data governance practices for sensitive tax filing data, establishing access controls, masking strategies, and compliance frameworks for regulatory data handling

Gilead Sciences   January 2023 – March 2025
Director, Data & Analytics (Medical Affairs)   *Foster City, CA*

- Defined and executed enterprise data strategy for Medical Affairs organization, establishing governance frameworks and data ownership models for healthcare professional (HCP) and healthcare organization (HCO) reference data
- Built centralized data lake as single source of truth, consolidating HCP/HCO data from multiple vendors and internal systems while implementing data quality validation, standardization, and master data management practices
- Led team of 5 data professionals managing data operations, dashboard delivery, and analytics, developing succession plans and building talent across Spotfire development and data stewardship functions
- Established formal data requirements and governance policies for healthcare reference data, partnering with Legal and Compliance teams to ensure adherence to healthcare data privacy regulations

- Managed vendor relationships for data acquisition and cleansing services, owning budgeting and forecasting for data platform tools and external partnerships
- Fostered culture of data quality and continuous improvement through automated data validation pipelines and cross-functional data stewardship practices

Takeda Pharmaceuticals
Associate Director, Digital & Data Science

May 2021 – December 2022

Lexington, MA

- Led digital and data science organization plus statistical monitoring group, building high-performing teams focused on data quality, process monitoring, and regulatory compliance for pharmaceutical manufacturing
- Established data governance practices and formal data requirements for manufacturing and quality systems, partnering with cross-functional stakeholders to improve data accessibility and analytics capabilities
- Served as Spotfire system administrator, implementing security controls, user access management, and platform governance to ensure compliance with GxP requirements
- Designed and implemented scalable data pipelines for real-time quality monitoring, embedding observability and validation frameworks to support regulatory inspections and Annual Product Quality Reviews
- Mentored technical leads and data scientists on best practices for data management, model governance, and quality assurance in FDA-regulated environments

Regeneron Pharmaceuticals
Senior Process Data Scientist

May 2016 – May 2021

Rensselaer, NY

- Built automated data pipelines for biopharmaceutical manufacturing analytics, implementing data quality frameworks, lineage tracking, and validation processes to ensure reliability of predictive models used in regulatory submissions
- Established data governance practices for manufacturing datasets, defining data ownership and stewardship responsibilities across process development, quality, and manufacturing operations teams
- Developed data quality monitoring systems that identified and resolved data inconsistencies, improving model accuracy and reducing risk of regulatory compliance issues
- Partnered with cross-functional stakeholders including Quality Assurance, Manufacturing, and Regulatory Affairs to translate business requirements into data architecture and analytics capabilities

EDUCATION

Doctor of Philosophy (PhD) in Mathematics

2014

Virginia Polytechnic Institute & State University

Dissertation: Optimization and control methods for agent-based models in biological systems

SKILLS & TECHNOLOGIES

Data Platforms & Engineering: Snowflake • Databricks • AWS • SQL • Python • Data Pipeline Development • ELT/ETL

Data Management & Governance: Data Quality Frameworks • Data Lineage • Master Data Management • Reference Data Management • Metadata Management • Data Stewardship • Policy Enforcement

Regulatory Compliance & Security: FDA Compliance • GxP Requirements • RBAC • Data Masking • Audit Logging • Healthcare Data Privacy

Analytics & Visualization: Spotfire • Sigma • Self-Service Analytics • Dashboard Development • Data Product Development

Leadership & Strategy: Team Management • Vendor Management • Stakeholder Engagement • Budgeting & Forecasting • Strategic Planning • Cross-Functional Leadership

PRESENTATIONS & PUBLICATIONS

- CHPA Quality and Manufacturing Meeting (2025) — Solo Presenter: Decoding FDA Enforcement Trends in OTC and Dietary Supplements
- ISPE Annual Meeting & Expo (2025) — Solo Presenter: Navigating FDA Compliance - Outsourcing Facility Inspections
- CHPA Regulatory, Scientific & Quality Conference (2025) — Solo Presenter: The Impact of AI on FDA-Regulated Industries

PUBLICATIONS

- "Optimization and control of agent-based models in biology: a perspective" — Bulletin of Mathematical Biology, 2017