Matt Oremland, PhD

Data Strategy and Operations Leadership

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PROFESSIONAL SUMMARY

Operations-driven data leader with 10+ years experience in pharmaceutical data strategy, quality management, and analytics enablement. Proven track record building high-performing teams, establishing enterprise data governance frameworks, and operationalizing complex datasets for business impact. Deep expertise in healthcare reference data, regulatory compliance, and cross-functional stakeholder management across drug development and commercial operations. PhD in quantitative methods with strong analytical foundation.

PROFESSIONAL EXPERIENCE

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

- Led enterprise data strategy for pharmaceutical regulatory intelligence platform serving Eli Lilly, Merck, and ProQuality Network, establishing data evaluation frameworks and quality management processes
- Built comprehensive data governance and compliance frameworks for FDA-regulated datasets, ensuring data quality, discoverability, and fit-for-purpose operationalization
- Drove stakeholder enablement through training programs and documentation, accelerating insights adoption across quality and regulatory functions
- Managed vendor relationships and data onboarding processes, overseeing contracting, evaluation, and integration of external data sources
- Developed automated data quality validation frameworks that identified and resolved inconsistencies, improving data reliability for business decision-making

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

- Delivered data operations solutions for clients across multiple industries, implementing quality frameworks and enablement strategies
- Built data literacy programs and training materials to accelerate adoption of analytics platforms and self-service capabilities
- Partnered with VP-level stakeholders to translate business requirements into data architecture and operational frameworks

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

- Defined and executed enterprise data strategy for Medical Affairs, establishing data ownership models and operational frameworks for healthcare professional and organization reference data
- Led team of 5 data professionals, building capabilities in data operations, quality management, and analytics enablement while developing succession plans
- Built centralized data lake operationalizing multiple vendor sources, implementing quality validation, standardization, and master data management practices
- Drove data literacy and adoption through training programs, documentation, and stakeholder engagement across commercial and medical functions
- Established formal data requirements and governance policies, partnering with Legal and Compliance to ensure regulatory adherence

- Owned vendor management, contracting, and budgeting for data acquisition and platform tools, ensuring cost-effective access to high-quality data assets

Takeda Pharmaceuticals
May 2021 – December 2022

Associate Director, Digital & Data Science
Lexington, MA

- Led data operations organization focused on quality management, compliance, and enablement for pharmaceutical manufacturing
- Established enterprise data governance frameworks and quality management systems, ensuring data fitness for regulatory submissions
- Built training programs and change management initiatives to drive adoption of digital analytics platforms
- Served as platform administrator, managing user access, security controls, and enterprise-wide data discovery capabilities
- Led cross-functional teams to operationalize data assets and accelerate insights for manufacturing optimization

Regeneron Pharmaceuticals
May 2016 – May 2021

Senior Process Data Scientist
Rensselaer, NY

- Built automated data pipelines and quality frameworks supporting biopharmaceutical manufacturing analytics
- Established data governance practices, defining ownership and stewardship responsibilities across operations teams
- Developed data quality monitoring systems that improved model reliability and regulatory compliance
- Partnered with Quality Assurance and Regulatory Affairs to ensure data met requirements for drug development submissions

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 Operations & Enablement: Data Quality Management • Data Governance • Master Data Management • Data Onboarding • Training & Communication • Change Management

Technical & Analytical: Python • SQL • Snowflake • Databricks • Data Pipeline Development • Statistical Analysis

Pharmaceutical & Compliance: FDA Compliance • GxP Requirements • Healthcare Data Privacy • Regulatory Intelligence • Quality Systems

Leadership & Strategy: Team Management • Vendor Management • Stakeholder Engagement • 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

PUBLICATIONS

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