



Data Engineering & Analytics Lead

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PROFESSIONAL SUMMARY

Director-level AI and analytics leader with over a decade building enterprise data platforms and ML infrastructure that deliver measurable business value. I've spent my career turning complex data challenges into practical solutions—from processing half a billion healthcare records with near-perfect reliability to automating operations that saved \$150K annually.

What drives me is leading talented teams to solve real problems. At Jio Health, I managed a diverse group of 50+ data scientists, engineers, and analysts, helping them do their best work while delivering results the business could see and feel. I'm particularly drawn to companies undergoing digital transformation, where data and AI become strategic differentiators.

Based in Ho Chi Minh City, I operate professionally in English and have basic Vietnamese. I understand the technical nuances and business context needed to succeed in Vietnam's evolving market.

CORE COMPETENCIES

Leadership & Strategy

Team Leadership (50+ professionals) • AI/ML Strategy & Roadmaps • Cross-functional Collaboration

Stakeholder Management (C-level) • Budget & Vendor Management • Agile Methodologies

AI & Analytics

Machine Learning Infrastructure • Predictive Analytics • Statistical Modeling • Real-time Analytics

Business Intelligence • Data Visualization • A/B Testing & Experimentation

Technical Expertise

Python • SQL • PySpark • Apache Airflow • Apache Kafka • Spark • Databricks

AWS (SageMaker, S3, Redshift) • Kubernetes • Docker • PostgreSQL • MongoDB

Data Governance

HIPAA Compliance • Data Privacy & Security • Data Lineage • Quality Frameworks • Audit Controls

PROFESSIONAL EXPERIENCE

JIO HEALTH — Ho Chi Minh City, Vietnam

Director, AI & Analytics Engineering | Jan 2022 – Feb 2024

Jio Health is a venture-backed digital health platform serving Vietnam's growing middle class. I joined to build their data and AI capabilities from the ground up, eventually leading a 50-person team across analytics, data science, and engineering.

Team Leadership

- Built and led a diverse team of 50+ professionals including data scientists, ML engineers, analysts, and BI specialists across multiple locations
- Improved project delivery speed by 30% by fostering cross-functional collaboration and implementing agile practices that actually worked for our team
- Mentored senior engineers and analysts into leadership roles—three team members went on to lead their own squads

Infrastructure & ML Deployment

- Designed and deployed an enterprise ML platform processing 500M+ patient records monthly with 99.9% uptime, supporting both real-time predictions and batch analytics workloads
- Built scalable data pipelines that powered personalized care recommendations, operational dashboards, and predictive models—enabling the business to triple its user base without infrastructure hiccups
- Implemented feature engineering pipelines and model monitoring systems that caught issues before they impacted users

Business Impact

- Automated 80% of manual data operations through smart Python workflows and orchestration, freeing up the team to focus on high-value projects and saving \$150K annually in operational costs
- Improved data quality from 70% to 95% by building ML-powered anomaly detection that caught data issues early, ensuring our analytics were trustworthy for clinical decisions

Governance & Compliance

- Established data governance practices that achieved 100% HIPAA compliance across all systems—no small feat in a fast-growing startup
- Implemented comprehensive data lineage, role-based access controls, and audit trails that satisfied both internal stakeholders and external auditors

Technology Leadership

- Evaluated and integrated modern data technologies (Databricks, Kubernetes, Airflow) to build a cloud-native platform that could grow with the business
- Led migration to AWS, cutting infrastructure costs by 40% while improving performance and scalability

FREELANCE DATA CONSULTANT — Montreal, Canada & Remote

Analytics & GIS Specialist | Jan 2020 – Dec 2021

Worked with various clients during the pandemic, primarily helping organizations make sense of their data and build better decision-making systems.

Key Projects:

- Built geospatial analytics dashboards for urban planning teams, visualizing population trends and service coverage gaps
- Developed predictive models for a logistics company to optimize delivery routes, reducing fuel costs by 15%
- Created SQL-based reporting pipelines and Power BI dashboards for healthcare clients tracking patient outcomes
- Consulted on data quality initiatives and master data management strategies

LAVAL UNIVERSITY RESEARCH CENTER — Quebec City, Canada

Research Data Analyst | Sep 2015 – Dec 2019

Started as a graduate research assistant and grew into leading data analysis for multiple research projects in geography and urban studies.

Research Contributions:

- Designed statistical models analyzing urban development patterns using spatial data and time-series analysis
- Built ETL pipelines processing census data, satellite imagery, and municipal datasets for academic research
- Published findings in peer-reviewed journals and presented at international conferences
- Trained graduate students on GIS tools, statistical methods, and data visualization best practices

Technical Development:

- Developed R scripts and Python tools for reproducible spatial analysis workflows
- Created PostGIS databases and SQL queries for complex geospatial analysis
- Built interactive maps and visualizations using JavaScript (D3.js, Leaflet)

EDUCATION

Master of Science (M.Sc.) — Geography (Geomarketing & GIS)

Laval University, Quebec City, Canada | 2014 - 2015

Focus: Spatial analytics, statistical modeling, data visualization, consumer behavior analysis

Bachelor of Science (B.Sc.) — Geography (GIS)

Laval University, Quebec City, Canada | 2010 - 2013

Focus: Geographic information systems, database management, cartography, data analysis

KEY ACHIEVEMENTS

Business Impact

\$150K annual savings through automation | 80% reduction in manual operations | 40% infrastructure cost reduction

Scale & Reliability

500M+ records processed monthly | 99.9% platform uptime | 100% regulatory compliance

Leadership

Led 50+ professionals | 30% faster project delivery | Built high-performing cross-functional teams

Data Quality

Improved accuracy from 70% to 95% | ML-powered quality monitoring | Scalable governance frameworks

LANGUAGES

English — Fluent (Professional proficiency)

Vietnamese — Basic (conversational; not fluent)

French — Native

TECHNICAL SKILLS SUMMARY

Programming: Python (advanced), SQL (advanced), PySpark, R, JavaScript

ML & Analytics: Scikit-learn, Statistical modeling, Feature engineering, Predictive analytics

Data Engineering: Apache Airflow, Apache Kafka, Spark, ETL/ELT pipelines, Stream processing

Cloud & Infrastructure: AWS (SageMaker, S3, EC2, Redshift), Databricks, Kubernetes, Docker

Databases: PostgreSQL, MySQL, MongoDB, Redshift, PostGIS

BI & Visualization: Power BI, Tableau, Matplotlib, Plotly, D3.js

DevOps: Git, GitLab CI, Jenkins, Infrastructure as Code

Governance: HIPAA, GDPR, Data lineage, Access controls, Security frameworks

WHAT I BRING TO YOUR ORGANIZATION

I'm not just another data leader who talks strategy without rolling up my sleeves. I've built teams, written code, debugged production issues at 2 AM, and sat in boardrooms explaining why investing in data infrastructure matters. I understand the full spectrum—from the technical details of distributed systems to the business language that gets executives to say yes.

What excites me about this role is the opportunity to work across multiple industries—retail, financial services, pharma, telecom. My healthcare background gives me a deep appreciation for data quality, privacy, and building systems people trust. These principles transfer directly to any industry where data drives decisions.

I'm ready to build something meaningful with your team.

References available upon request