



Professional Summary

Canadian-born Analytics and Data Engineering leader based in Ho Chi Minh City, Vietnam, with over a decade of experience across Southeast Asia and Latin America. I bring expertise in transforming complex data into actionable insights that enhance accuracy, drive impactful decisions, and improve operational efficiency. My work spans diverse sectors, including healthcare and tech startups, where I have consistently developed scalable solutions, from data engineering to governance frameworks, while streamlining processes. Known for building collaborative, cross-functional relationships, I bridge technical expertise with business strategy to empower teams to unlock data’s full potential. Enthusiastic about innovation and continuous improvement, my mission is to create lasting value and drive meaningful change through innovative data solutions.

Core Competencies

Personal Skills

- **Team Leadership:** Led teams of 50+, reducing project timelines by 30% through effective coordination and mentorship
- **Technical Communication:** Translated complex data concepts into actionable insights, ensuring cross-functional alignment and clear communication
- **Problem Solving:** Developed scalable solutions that increased productivity by 50%, demonstrating an initiative-taking approach to challenges
- **Adaptability:** Thrives in multicultural environments, an understanding of Vietnamese culture to navigate diverse workplaces
- **Strategic Thinking:** Aligns technical solutions with long term business goals, ensuring that data initiatives drive organizational success

Technical Skills

- **Data Science & Visualization:** Power BI, Excel, Metabase, Python (Pandas, Matplotlib, Seaborn)
- **Data Engineering:** Python, SQL, ETL pipelines, Apache
- **Cloud Infrastructure:** AWS, Hetzner, Azure
- **Data Warehousing:** Redshift, PostgreSQL, MySQL
- **Data Governance:** Frameworks for data quality and Master Data Management
- **DevOps & Monitoring:** CloudWatch, Grafana
- **Version Control & CI/CD :** Git, GitHub Actions
- **Hyperautomation:** Workflow automation
- **APIs & Integration:** RESTful APIs, data integration tools, scripting

Work Experience

ENTERPRISE DATA SCIENCE LAB IMPLEMENTATION – Independent, Vietnam, Ho Chi Minh City March 2024 -
Building a low-cost, scalable server infrastructure for enterprise-level data operations

- Designed scalable High-Performance Infrastructure: with Proxmox VE to streamline data workflows and ensure failover
- Built distributed computing with Hadoop, Spark, and Kafka for real-time analytics; set up collaborative workspaces with JupyterHub and Anaconda
- Developed AI-driven CRM dashboards with automated analytics, cutting manual reporting by 2x and improving client tracking accuracy through machine learning-powered monitoring
- Deployed custom LLMs, Advanced AI, open-source ML pipelines, and MLOps for model versioning and monitoring
- Implemented Secure Data Storage Solutions: Designed and integrated a scalable, encrypted storage architecture using to enhance data accessibility, security, and compliance with privacy regulations

CYBERSECURITY ANALYST– IPSIP, Vietnam, Ho Chi Minh City Apr 2024 – Jul 2024
Annual Turnover: \$50 million | Team Size: 50 employees (Vietnam) | Operations: Global

- Provided technical support and troubleshooting for clients utilizing Wallix Bastion and Access Manager, a leading privileged access management (PAM) solution
- Analyzed system logs to identify and resolve complex security issues, ensuring optimal performance and security posture
- Advised clients on best practices for securing their IT infrastructure and mitigating potential cyber threats
- Collaborated with cross-functional teams to implement and maintain security standards and policies

LEAD DATA ENGINEERING & ANALYTICS – Jio Health, Vietnam

Jan 2022 - Feb 2024

Annual Turnover: \$75 million | Team Size: 500+ professionals (Vietnam) | Operations: Country-wide-Vietnam

- Coordinated a multidisciplinary team of 50+ professionals, delivering data-driven projects under the guidance of the CTO, improving project delivery timelines by 30%
- Automated core business processes with Python, reducing manual workload by 80% and increasing operational efficiency by 60% and saving \$100,000 USD annually
- Spearheaded the migration to the Odoo ERP system, enhancing data quality by 50% and streamlining business processes reducing operational cost by \$50,000 USD annually
- Architected and implemented enterprise-wide ETL processes and data warehouse architecture, enabling the company to support 3x growth in user base while maintaining data integrity

ANALYTICS ENGINEER | POC Pharma, Vietnam

Nov 2019 - Sep 2021

Annual Turnover: \$34 million | Team Size: 100 + professionals (Vietnam) | Operations: Country-wide-Vietnam - Indonesia

- Designed foundational data models for 20K users, 60 suppliers, and 10K products, resulting in more accurate data reports and faster business insights
- Developed KPI dashboards with Power BI, supporting data-driven decisions that resulted in a 15% increase in sales over 12 months
- Led the DevOps transformation, increasing inter-team productivity by 50% through streamlined deployment processes and enhanced collaboration
- Implemented automated data validation frameworks, reducing data inconsistencies by 80%, significantly improving data reliability

DATA SCIENCE CONSULTANT | Sanisphere, Hong Kong

Jan 2018 - Nov 2019

Annual Turnover: \$34 million | Team Size: 150 + professionals | Operations: Southeast Asia and Africa

- Delivered strategic data science initiatives, resulting in a 25% increase in client market share through targeted analysis and business insights
- Managed the design and execution of metrics reports, providing actionable insights for marketing strategies and product development
- Implemented data governance policies, improving data accuracy by 50% and reducing operational inefficiencies across data systems

TECH & EDUCATOR | Humanis, Canada & C.I. de Mexico

Jun 2015 - Jul 2017

Delivered interactive learning experiences in Social Humanities and Geography, incorporating GIS and spatial database knowledge

- Facilitated classes on Geographic Information Systems (GIS) and Digital Elevation Models (DEMs)
- Developed course content with tools like ArcGIS, QGIS, enriching the academic curriculum with practical geospatial skills

RESEARCH ASSISTANT (M.SC. THESIS) | Laval University, Canada

Sep 2014 - Aug 2016

Research Chair of Attractiveness and Innovation in Tourism, analyzing geographic markets and customer behaviors

- Pioneered geospatial customer analysis to derive actionable marketing insights, informing strategic location selection and campaign strategies
- Leveraged advanced Geospatial Customer Segmentation using demographic, psychographic, geographic, and behavioral data for targeted marketing initiatives

Education**M.SC. IN GEOGRAPHY**– *Geomarketing & Geographic Information Science* - Laval University, Canada

2014 – 2015

Reputed for GIS, big data, machine learning, and spatial analysis. Leveraged Laval’s expertise in AI, signal processing, and interdisciplinary research in data sciences and urban planning

B.SC. IN GEOGRAPHY– *Geographic Information Science* Laval – University, Canada

2010 – 2013

Research departments Specialization in Geographic Information Science Emphasized spatial data analysis and multiphysical mathematical modeling. Benefited from research integration with Laval’s Big Data Research Centre (BDRC)

SSVD MECHANICS – College Aviron, Canada

2008 - 2009

*Automobile Mechanics***Languages**

French (Native) | English (Fluent) | Spanish (Professional)