



# SIMON RENAULD

## Data Engineering & Analytics Lead | AI Platform Enablement

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### PROFESSIONAL SUMMARY

Data Platform & Engineering Leader with 10+ years building and scaling enterprise data infrastructure across healthcare and high-growth technology companies in Southeast Asia and Latin America. Led cross-functional teams of 50+ spanning data engineering, analytics, QA, and DevOps while owning end-to-end warehouse and ETL architecture. Delivered automation and governance frameworks that reduced manual workload by 80%, improved data quality by 50%, and enabled 3x business growth. Trusted partner to C-level stakeholders, translating complex systems into measurable operational and financial impact.

### CORE COMPETENCIES

#### Leadership & Delivery

- **Team Leadership** – Lead and coach cross-functional squads (50+ contributors), align priorities, and establish ownership to accelerate delivery timelines
- **Executive Communication** – Translate complex data and AI systems into clear operational decisions and execution plans for C-level stakeholders
- **Operational Excellence** – Design scalable automation and governance frameworks that reduce manual effort, improve reliability, and structure chaotic environments
- **Global Adaptability** – Navigate and deliver effectively in multicultural environments across Southeast Asia and Latin America, bridging diverse teams
- **Stakeholder Management & Strategy** – Connect data platforms and AI enablement directly to business goals, managing stakeholder expectations and ensuring measurable outcomes

#### Technical Skills

- **Data Engineering & Warehousing** – Python, SQL, ETL/ELT, Pentaho, Databricks, Amazon Redshift, PostgreSQL, MySQL, data migration
- **AI Automation & Agent Systems** – LLM workflows, AI service integration, automation patterns
- **Data Science & Visualization** – Power BI, Metabase, Excel, Pandas, Matplotlib, Seaborn
- **Cloud Infrastructure & DevOps** – AWS, Azure, Hetzner, Proxmox, Docker, CI/CD
- **Observability & Reliability** – Prometheus, Grafana, Loki, Alertmanager, CloudWatch
- **Data Governance & Strategy** – Data quality, data contracts, MDM, reconciliation controls, KPI design, Odoo ERP, Salesforce CRM
- **Delivery & Orchestration** – Git, GitHub Actions, workflow design, scripting

### WORK EXPERIENCE

#### INDEPENDENT CONSULTANT | Data Engineering, AI Platform & Digital Transformation, Vietnam

Mar 2024 – Present

##### DATA, AI & INFRASTRUCTURE PLATFORM ENGINEERING *(Independent R&D)*

Proxmox on Hetzner (64GB, 6 VMs, 60+ containers) | 23 AI services, Airflow, Spark, MLflow, GeoServer, PostGIS, OpenMetadata, Prometheus, Grafana

- Architected and operated a self-hosted platform across 6 VMs and 60+ containers on Proxmox/Hetzner, integrating AI services, data engineering, MLOps, geospatial delivery, and governance
- Deployed 23 production AI agent services with shared proxy and dashboard patterns, alongside a modern data stack including Airflow, Spark, MiniIO, JupyterLab, MLflow, Ollama, and Langfuse
- Built geospatial and metadata capabilities with GeoServer, PostGIS, Cesium 3D, and OpenMetadata, enabling spatial publishing, cataloging, and lineage visibility
- Implemented observability and reliability controls with Prometheus, Grafana, Jaeger, Loki, and Alertmanager across 16+ Cloudflare-routed services, accelerating incident triage and health visibility
- Standardized delivery and resilience workflows with GitHub Actions, pre-commit hooks, Docker Compose, VZDump/restic backups, and retention-based disaster recovery policies

##### CLIENT: REGIONAL DIGITAL SERVICES COMPANY

Dec 2024 – Dec 2025

50 employees, 100+ freelancers | Web apps, mobile apps, CRM, C2C platforms

- Managed ~€700K budget across 8 concurrent projects, leading 4 Agile squads (designers, developers, POs, BAs, QA) and transitioning the full 150-person operation from WBS to Jira sprint-based delivery
- Established end-to-end digital delivery frameworks spanning product, engineering, data, and compliance, improving cross-department alignment and stakeholder management across the company
- Delivered IoT-enabled mobile health solutions integrating wearable devices with secure cloud analytics, meeting privacy, security, and regulatory requirements
- Defined governance standards including API lifecycle management, data contracts, process workflows, and architectural guardrails, improving system reliability and change management

## LEAD DATA ENGINEERING & ANALYTICS | Jio Health, Vietnam

Jan 2022 – Feb 2024

*\$75M healthcare tech | Led 50+ across 4 squads (DE, Analytics, QA, DevOps) | Owned data warehouse & ETL platform*

- Saved \$100K annually by architecting Python automation for core processes, cutting manual workload 80% and boosting efficiency 60%
- Accelerated delivery 30% by leading 50+ professionals under CTO, coordinating cross-functional data initiatives
- Drove 3x growth by architecting enterprise ETL processes (Pentaho) and scalable data warehouse supporting business expansion
- Enhanced data quality 50% by leading Odoo ERP migration, establishing single source of truth

## ANALYTICS ENGINEER | POC Pharma, Vietnam

Nov 2019 – Sep 2021

*\$34M pharma distributor | 100+ team | Vietnam – Indonesia operations*

- Drove 15% sales increase by developing KPI dashboards enabling data-driven decisions across sales and operations
- Accelerated reporting by designing data models for 20K users, 60 suppliers, 10K products, delivering faster insights
- Boosted productivity 50% by leading DevOps transformation with streamlined CI/CD and cross-functional collaboration

## DATA SCIENCE CONSULTANT | Sanisphere, Hong Kong

Jan 2018 – Nov 2019

*\$34M healthcare consulting | 150+ team | Southeast Asia and Africa*

- Drove 25% market share increase by delivering strategic data initiatives informing positioning and expansion
- Improved data accuracy 50% by implementing governance and MDM frameworks, reducing inefficiencies

## 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)

## 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

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**M.Sc. in Geography** – Geomarketing & Geographic Information Science - Laval University, Canada

Focus on GIS, spatial analysis, and data/ML foundations

2014 – 2015

**B.Sc. in Geography** – Geographic Information Science - Laval University, Canada

GIS and spatial data analysis specialization

2010 – 2013

**SSVD Mechanics** – College Aviron, Canada

Automobile Mechanics

2008 – 2009

## LANGUAGES

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