

Frank Stevens

Data Engineering & BI Specialist

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PROFILE

Data engineering and BI specialist focused on dependable ingestion pipelines, operational-system integration, and low-maintenance data foundations for business decision-making.

Experienced with Python, SQL, APIs, dbt, Databricks, BigQuery, medallion-style data layers, and validation checks, with a practical focus on observable workflows and reliable transformations that are easy to debug, rerun, and maintain.

EXPERIENCE

Data Engineering & Web Development

2024-07 – present

Freelance / datafluent.one / Remote

- Delivered data engineering work across fragmented operational systems, integrating API and internal data into medallion architecture layers.
- Standardised schemas and built transformation models for BI, analytics, and ML feature marts.
- Added data quality checks, documentation, and lightweight internal web apps for structured data capture, ingestion, and operational workflows.

Data Engineer and BI Integration

2021-05 – 2024-12

Abbott / Netherlands

- Integrated Salesforce CRM, SAP ERP, finance, product, and open data sources into governed analytics-ready models.
- Built ingestion pipelines, standardised definitions, and validated datasets for BI, forecasting, planning, and reporting.
- Developed Power BI dashboards supporting business insight and stakeholder decision-making.

Business Intelligence Trainee

2021-03 – 2022-12

People X / Netherlands

- Completed an intensive BI traineeship followed by full-time enterprise-client placement.
- Built a foundation in data modeling, SQL analysis, and BI delivery.
- Translated stakeholder requirements into reporting datasets, dashboard definitions, documentation, and practical data-quality improvements.

Research Assistant, Data Stewardship & Research Datasets

2019-10 – 2020-06

Global Data Lab / Radboud University / Nijmegen, Netherlands

- Supported preparation of research-ready socio-economic and human-development datasets for Global Data Lab's subnational indicator work.
- Cleaned and harmonised source data across countries, regions, years, and indicator definitions, with attention to reproducibility and auditability.
- Maintained data-preparation scripts, validation checks, and metadata notes used to move raw research inputs into documented analysis-ready tables.

SELECTED PROJECTS

Running Signals

Analytics engineering portfolio project

Python / AWS S3 / Databricks / Delta Lake / dbt / SQL / Supabase / Next.js

View the live project: run.datafluent.one

Explore the source code: github.com/frankstevens1/running-signals

- Built an analytics engineering demo with Python ingestion into S3 and Databricks bronze Delta tables.
- Developed tested dbt and SQL marts, publishing curated data through Supabase to a Next.js explorer.

SKILLS

Data Engineering & Orchestration

- SQL-based data modelling and transformation with dbt, dimensional modelling, and medallion architecture
- Python-based pipelines, automation, and API integrations

Cloud & Data Platforms

- Cloud environments - AWS, GCP, and Azure
- Data platforms - Databricks and BigQuery

DevOps & Delivery

- Git-based CI/CD for data workflows with automated testing and data quality checks
- Infrastructure as code with Terraform for reproducible cloud and data platform configuration
- Security and access control including IAM roles and RLS policies

Analytics & BI

- Semantic layer design, metric definition, and dashboarding with Power BI, DAX, Looker, and dbt
- Analytical and predictive modelling with pandas, NumPy, and scikit-learn

LANGUAGES

English – C2 / Dutch – C2 / Spanish – B1

EDUCATION

MSc, International Economics & Development

2020

Radboud University / Nijmegen

- Focused on development economics, international trade, econometrics, applied statistics, and empirical research design.
- Applied quantitative methods to large, multi-source datasets, including data cleaning, variable construction, statistical analysis, and econometric modelling.
- Thesis examined the relationship between Chinese-funded infrastructure and regional poverty outcomes using difference-in-differences models and instrumental variable estimation with two-stage least squares.
- Built reproducible research workflows combining economic theory, statistical modelling, and structured data analysis.
- Thesis and data repository: <https://git.new/zuRhSQW/>

MSc preparatory coursework, International Economics & Development

2019

Radboud University / Nijmegen

- Completed preparatory coursework in microeconomics, macroeconomics, statistics, and empirical analysis for graduate-level economics.

BBA, International Business and Management Studies

2016

Hogeschool Arnhem Nijmegen (HAN University of Applied Sciences) / Arnhem

- Covered finance, operations, marketing, and strategy with an applied, practice-oriented focus.

International Baccalaureate Diploma Programme

2010

International School of Lusaka / Lusaka, Zambia

- Completed the IB Diploma Programme, a rigorous pre-university curriculum combining broad subject study with independent research, critical thinking, and international-mindedness.