

AIRA FRANCO

Data Engineer Student

Data Engineering student building the full data platforms that transform raw data into reliable, tested, analytics-ready systems. Hands-on with pipeline design, data modelling, warehousing, cloud deployment and AI Ops. Adapts quickly to new tools, environments and domain-specific data ecosystems.

✓ Permanent work authorization in Sweden (no sponsorship required).

CONTACT

PHONE	+46 70 566 6295
EMAIL	adelosofranco@gmail.com
LOCATION	Stockholm, Sweden
LINKEDIN	aira-franco0965
GITHUB	Akina-Aoki

FULL PORTFOLIO

akina-aoki.github.io
Projects, tech stack & skills roadmap

Project blog (Hashnode)
YouTube – project demos

EDUCATION

Data Engineering (YH)
Stockholms Tekniska Institut
Sep 2025 – May 2027

English Literature
Hokusei Gakuen University, Sapporo
Associate's Degree · Apr 2015 – Mar 2017

VOLUNTEER

Social Media Manager (current)
Stockholm MLOps
Event & hackathon preparation; community social media.

Event Assistant
Data & AI Stockholm Summit
Volunteer at the first summit.

Coordinator
JICA · Disaster & Humanitarian Relief
Led fundraising drives for disaster-affected communities in Southeast Asia with the Red Cross and JICA; prepared donated wheelchairs for Tondeke NPO.

Coordinator
Fairtrade International
Ran Fair Trade activities at Hokkaido's first UNESCO-affiliated senior high school.

Community Volunteer
Couchsurfing International
Organized language & cultural-exchange meetups in Sapporo.

WORK EXPERIENCE

Operations Assistant · Inditex (Zara) 2020 – Present
Stockholm, Sweden

- Optimized inventory and logistics workflows across departments, improving product distribution efficiency under strict operational timelines.
- Built a strong understanding of stock movement, demand patterns and operational bottlenecks, directly informing my transition into data engineering for inventory and analytics systems.

Inventory management · Retail operations · Logistics · Time management

Hotel Receptionist · The Stay Sapporo Nagomi 2019
Sapporo, Japan

- Handled front-office operations, guest relations and daily payment reconciliation.
- Managed hotel supply inventories and inspected housekeeping work to maintain cleanliness standards.

Production Assistant · Krispy Kreme Doughnuts Japan 2018 – 2019
Chitose, Japan

- Helped launch food-production workflows for the company's first store in the region.
- Supported preparation, handling and flow coordination as part of the production crew.

Snowboarding Instructor · Freelance Dec 2016 – Mar 2019
Rusutsu, Japan

- Assessed each student's level and adapted lessons to individual needs.
- Used weather and snow-condition knowledge to decide safe terrain, including for backcountry lessons.
- Verified clients' registration and health/accident insurance before lessons began.

Bartender · TK6 International Sports Bar 2016 – 2018
Sapporo, Japan

- Managed daily bar operations, staff coordination, cash reconciliation and cost controls while studying at university.

English Language Teacher · Self-employed 2015 – 2019
Sapporo, Japan

- Founded and ran an English tutoring business alongside university studies.
- Taught one-on-one and group lessons for children and adults: conversation, grammar and university exam readiness.

Translator, Japanese ↔ English · Self-employed 2015 – 2019
Sapporo, Japan

- Translated business and general documents with precision and cultural sensitivity.
- Managed timelines, priorities and delivery, clarifying requirements directly with clients.

Front Desk Assistant (internship) · Hilton 2016
Niseko, Japan

- Reception duties and administrative coordination, supporting smooth day-to-day operations.

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SKILLS

1. Core Foundations

Python · SQL · Git/GitHub · Bash · VS Code · pytest · OOP

2. Data Modelling

Database theory & design, RDBMS, normalization/3NF, conceptual/logical/physical modelling, OLTP vs OLAP, star schema

Stack: SQL · PostgreSQL · DuckDB

3. Platform & Storage

Operational databases, analytical storage, object storage, data lake foundations, schema/data-type design

Stack: S3 · PostgreSQL · TimescaleDB · DuckDB · Snowflake · Delta Lake · Supabase

4. Ingestion & Integration

Batch & streaming ingestion, APIs, data contracts, ETL/ELT, data validation, pipeline integration

Stack: Kafka · dlt · FastAPI · Pydantic · Azure Data Factory · REST APIs

5. Processing & Transformation

Data transformation, EDA, distributed and large-scale data processing

Stack: Pandas · Spark/PySpark · Databricks · dbt Core · Medallion Architecture

6. Data Warehousing

Data warehouse lifecycle · dimensional modelling · fact & dimension design · marts · transformation layers

Stack: Snowflake · Databricks · dbt · Data Marts

7. Orchestration, Cloud & Reliability

Workflow orchestration, containerization, infrastructure as code, CI/CD, automated testing, platform reliability

Stack: Airflow · Dagster · Docker · Terraform · Microsoft Azure · GitHub Actions

8. Analytics & Delivery

Reporting, dashboards, interactive applications, data presentation, stakeholder-facing data products

Stack: Power BI · Streamlit · FastAPI · Evidence · Snowflake Dashboards · Databricks Dashboards · Genie

9. AI Engineering & AI Workflows

AI-assisted engineering: ChatGPT / Codex · GitHub Copilot · Claude
AIOps: RAG · Vector databases · Embeddings · LLMOps · Tracing & monitoring · Evaluation · AI governance · Prompt engineering

Stack: PydanticAI · LanceDB · Logfire · FastAPI

10. Agile Delivery & Collaboration

Agile ways of working, sprint planning, backlog management, issue tracking, code review, documentation, task ownership

Tools: Jira · GitHub Projects & Issues · Pull Requests · Git branching · Scrum · Kanban · Markdown

SELECTED PROJECTS

Flight Punctuality Analytics group project
Swedavia API → dlt → Snowflake → dbt → Dagster → Streamlit; Docker, deployed to Azure with Terraform.

Modern Data Warehouse Lifecycle
JobTech API ingestion with dlt, Snowflake, dbt dimensional modelling, data tests and Streamlit reporting.

Marathos Atlas
Databricks lakehouse with PySpark and Delta Lake across Bronze, Silver and Gold layers.

Retail Inventory Data Platform
Inventory and sales events through FastAPI, ETL and Kafka into PostgreSQL / Supabase.

AIOps Repository
LLM structured output, tool use, tracing, vector DBs, RAG and evaluation with PydanticAI.

Azure Full-Stack App
FastAPI + Streamlit app containerized with Docker and deployed with Terraform on Azure.

More: validated ETL pipeline · Kafka in Docker · vocational school database · Netflix semantic model & dashboard · Sakila with DuckDB. All projects →

LANGUAGES

English	Native / bilingual
Filipino	Native / bilingual
Japanese	Native / bilingual
Swedish	Limited working · SVAS 2