

Paweł Żak

Senior Data Engineer • Tech Lead • Founder

I design, build, and scale data platforms end-to-end. I've led teams delivering fraud detection, real-time baggage tracking, and TB-scale analytics — while staying hands-on with the code. I partner directly with customers to co-design solutions and accelerate delivery through reusable patterns. I also launched MyElib, a cross-platform SaaS for knowledge retention.

ENTREPRENEURIAL EXPERIENCE

MyElib — Live SaaS for Knowledge Retention

- Cross-platform SaaS that syncs e-reader highlights and generates context-aware LLM-powered spaced-repetition flashcards.
- Designed and implemented end-to-end: architecture, deployment, billing, landing page, and marketing using Go, SQLite, Astro/React/TypeScript, Tauri, Stripe, OneSignal, Resend, Cloudflare, AWS.
- 30 early adopters syncing 5k+ highlights across Web, Mac, Windows, iOS, and Android monthly — validating product demand.

SELECTED PROFESSIONAL EXPERIENCE

Addepto — Big Data & AI Consulting

Gdańsk (Remote)

Tech Lead, Data Engineering

Feb 2025 – Present

- Led 11 engineers across two flagship projects; owned architecture, reviews, and mentoring while shipping critical components.
- Built a EU government fraud-detection platform (~15s latency) on Databricks (Spark Streaming, Delta Live Tables, Redpanda), now used by 100+ analysts to investigate and monitor fraud data.
- Drove Data Mesh adoption for a global aviation provider; individually built first data product — real-time global scale baggage tracking (Event Hub, Spark Streaming).
- Member of a 10-person leadership team; shaped hiring, delivery, client relationships, and technical strategy.

Senior Data Engineering Consultant

Feb 2024 – Feb 2025

- Rolled out enterprise-ready Databricks Terraform templates (Unity Catalog, dbt, Spark, Terraform, Data Contracts) for an aviation provider.
- Created a Nix-based CI/CD framework adopted in ~40% of projects, improving delivery speed and onboarding.

Data Engineering Consultant

Apr 2023 – Feb 2024

- Migrated on-prem SQL Server → GCP BigQuery + dbt + Cloud Functions with Terraform, cutting warehouse costs ~70% and maintaining >99.9% uptime.
- Developed MLOps pipelines enabling user-driven augmentation of 3D environments.

Amazon

Luxembourg (Remote)

Data Engineer

Jul 2021 – Mar 2023

- Built TB-scale pipelines in AWS Redshift, dbt, Airflow for the Global RME org, reducing reporting latency from 24h to 15min and contributing to multimillion-dollar savings.
- Owned worldwide adoption of Cost-per-Asset and Lost Productivity Hours KPIs in alignment with VP-level stakeholders.

Business Intelligence Engineer

Feb 2021 – Jul 2021

- Built serverless pipelines (Glue, Lambda) powering near-real-time QuickSight dashboards.

EDUCATION

Gdańsk University of Technology

BEng, Data Engineering

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Gdańsk, Poland

Remote-first

Polish, English (C1)

TECHNOLOGIES

Deep / frequent

- Python
- Apache Spark
- SQL & dbt
- Databricks
- Kafka/Redpanda/Event Hub
- Azure
- Terraform
- Golang
- CI/CD
- Docker

Proficient

- AWS
- Redshift
- Kubernetes
- Airflow
- BigQuery
- GCP
- Nix

Used on specific projects

- Dagster
- ClickHouse
- TypeScript/React/Astro
- SvelteKit
- Rust (Tauri)

INTERESTS

- Traveling
- Reading
- Podcasts
- Entrepreneurship
- Snowboarding
- Kitesurfing
- Tennis
- Squash
- Cooking