

LEMINE MBARECK

Data Engineer & People Leader | Snowflake · SQL · Python · Power BI · Agentic AI

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PROFESSIONAL SUMMARY

Data engineer and former program leader combining a modern data stack (Snowflake, SQL, Python, Power BI/DAX) with **5+ years supervising teams** and running **KPI-driven**, federally audited programs. Built and led a legal services program that served **1,000+** clients with a near-perfect approval rate across hundreds of federal applications, earning the **2024 Arkansas Access to Justice Award**; later **supervised a 9-person legal team** at the International Rescue Committee. Deliberately retooled into data engineering to pair people leadership with hands-on analytics, now building enterprise **data pipelines and reporting** across diverse business systems. Seeking an advanced role translating business problems into data-driven solutions, actionable insights, and measurable business impact.

SKILLS

Technical: SQL (Snowflake, SQL Server, PostgreSQL) · Python (pandas, APIs, automation) · Power BI & DAX · ETL/ELT pipeline development · Data modeling (star schema) · Data quality management & governance · Agentic AI / LLM integration · Streamlit · R · Git.

Leadership & Business: Team leadership & talent development · Cross-functional stakeholder management · KPI definition & tracking · Data storytelling & executive reporting · Program & project management · Compliance & audit readiness · Process improvement.

PROFESSIONAL EXPERIENCE

Junior Data Engineer | Walton Arts Center & Walmart AMP — Fayetteville, AR **02/2026 – Present**

- Maintained business-critical systems, Tessitura (fundraising), Ticketmaster(ticketing), Blackbaud (Finance), and Shift4 (payments), as well as a **Snowflake data warehouse** by building Python and SQL ingestion pipelines, creating a single source of truth for cross-departmental reporting.
- Designed and delivered **P&L dashboards and operational reports in Power BI**, partnering with finance and business units to translate reporting requirements into actionable insights for leadership decisions.
- Accelerated report development from first draft to final delivery by **~80%** by **integrating GenAI-assisted workflows** into dashboard and report design.
- Safeguard data quality and trust through validation checks and root cause analysis across Snowflake, SQL Server, and PostgreSQL; schedule automated batch jobs and monitor pipeline health to resolve issues before they reach business reporting.
- Document data flows, pipeline logic, and reporting standards; contribute to data governance spanning privacy, security, and compliance.
- **Trained 30+ department heads and senior leaders** on leveraging BI tools such as Power BI to drive data-informed decision-making and improve operational visibility.

Administrative Supervisor, Immigration Legal Services **10/2025 – 02/2026**

International Rescue Committee (IRC) — Atlanta, GA

- Led a **9-member team** delivering high-volume immigration legal services in one of IRC's largest U.S. offices (**5,000+ clients served annually** across programs).
- Owned monthly KPI tracking and program audits, ensured timely, accurate data entry and compliance with federal (ORR) and grant reporting requirements across all funding streams.
- Coached and developed staff through performance feedback and targeted training, coordinated internal file reviews and corrective actions that strengthened documentation standards and funder audit readiness.

Canopy NWA | Refugee Resettlement Agency — Fayetteville, AR **01/2021 – 10/2025**

Immigration Program Manager (promoted from Case Manager) **05/2022 – 10/2025**

- Built and led the agency's immigration legal services program end to end, managing the complete case lifecycle for 1,000+ cumulative clients with a near-perfect approval rate across hundreds of federal applications.

- Earned the 2024 Arkansas Access to Justice Award (Outstanding Pro Bono Service – Community Member) for the program's impact on refugees and immigrants across Northwest Arkansas.
- Developed the program's case management tooling; first an Excel system with data validation and conditional formatting that sped up case tracking, then a **full-stack web application (Next.js, MongoDB)** deployed to replace spreadsheet tracking entirely.
- Performed root cause analysis across **1,000+ case records** to surface operational bottlenecks, directly informing staffing and workflow decisions.
- Standardized reporting templates and metric definitions across all grants and donors, cutting reporting time by **20%** and improving data consistency, translated federal regulations (USCIS Policy Manual, 8 CFR) into plain-language SOPs and tools.
- Trained and developed **25+ interns, staff, and volunteers** on data quality, documentation standards, compliance, and legal ethics; coordinated pro bono referrals with AILA attorneys, law schools, and NGOs.

Case Manager

01/2021 – 05/2022

- Co-launched Canopy's legal services program from limited service into a family reunification, green card, citizenship, DACA, and TPS services among others, earned **U.S. Department of Justice accreditation (2022)** to represent clients before **U.S. Department of Homeland Security**.
- Designed and led Know Your Rights workshops and community presentations in three languages (English, Arabic, French).

Language Services Contractor | CyraCom International

2019 – 2020

- Delivered high-stakes legal and medical interpretation and translation (Arabic, English, French), supporting trauma-informed, culturally responsive service delivery.

Assistant Press Attaché | Presidential Cabinet — Nouakchott, Mauritania

2011 – 2018

- Curated and analyzed information for executive briefings to the President's Chief of Staff; managed confidential, deadline-driven communications under strict protocol in a high-stakes executive environment.

TECHNICAL PROJECTS

TrendSpark — Agentic AI Content Pipeline (Next.js, TypeScript, OpenAI, Groq)

trendspark.vercel.app

- Built a five-stage GenAI pipeline (trend discovery → content extraction → ideation → script generation → audio synthesis) orchestrating multiple LLM APIs end to end.

Walmart Review Automated Analysis (Python, Streamlit, NLTK, Plotly)

walmartvoc.streamlit.app

- Built and deployed a live sentiment-analysis dashboard scoring **23,000 e-commerce apparel reviews** and segmenting negative feedback by department and issue type (sizing, quality, supply chain, pricing) so merchandising teams can act on urgent issues first.

Sentiment Analysis of Tweets (R, Markdown)

[Repository](#)

- Designed and implemented a reproducible **R** pipeline for **Text Mining** (collecting, cleaning, and analyzing social and news text): data ingestion via **rtweet** and a news API, tidy preprocessing with **tidyverse** (tokenization, stop-word removal, lemmatization, bigrams), feature engineering (term frequencies, TF-IDF, n-grams), lexicon-based sentiment scoring using **Bing** and **NRC**, and topic/theme extraction with co-occurrence and keyword analysis. All analysis and figures produced with **ggplot2** and tidy data principles; workflows are scripted for end-to-end reproducibility (R scripts/RMarkdown), with versioned code and data in the repository.

EDUCATION

M.A., Media Studies | University of Arkansas — Fayetteville, AR

05/2019

- **Fulbright Scholar**, U.S. Department of State (2017–2019). Thesis: computational sentiment analysis of political speech and news coverage (R, NLP).

B.A., Journalism | University of Manouba — Tunisia

06/2011

CERTIFICATIONS

U.S. Department of Justice Accredited Representative (2022 – Present) · Google Data Analytics Professional Certificate (2023) · Foundations of Generative AI (2025)