Alex Polar (“Axe”)

Senior Data Engineer

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About

Experienced **Senior Data Engineer** with **10+ years** building reliable data platforms and insights pipelines. Specializes in Data Engineering, Data Analysis and Data Visualization. Comfortable across batch and streaming workloads, modern cloud warehouses, and stakeholder-facing analytics. Known for clean data modeling, observability-first pipelines, and pragmatic collaboration with product and BI teams.

Core Skills

Languages	**Python, SQL**
Processing	Apache Spark, PySpark, Pandas, Spark SQL
Orchestration	Apache Airflow, dbt, Prefect
Warehouses	Snowflake, BigQuery, Redshift
Streaming	Kafka, Spark Structured Streaming
Cloud	AWS, GCP, Azure (data services)
DevOps	Git, Docker, Terraform, CI/CD (GitHub Actions, GitLab CI)
Visualization	Tableau, Looker, Power BI
Methodologies	Dimensional Modeling (Kimball), Data Vault, Data Quality & Observability

Experience

Senior Data Engineer | London, UK | 2019 – Present

- Design and maintain scalable ELT/ETL pipelines for analytics and data science use cases.
- Model clean, well-documented datasets (staging → mart) with dbt and version control best practices.
- Build batch workflows in Airflow and streaming pipelines with Kafka + Spark Structured Streaming.
- Implement data quality checks, lineage, and monitoring to ensure trustworthy, observable data products.
- Partner with BI teams to deliver semantic layers and dashboards (Tableau/Looker/Power BI).
- Advise on cost/performance trade-offs across storage, compute, and orchestration in public cloud.

Data Engineer | London, UK | 2015 – 2019

- Developed SQL-first data pipelines and dimensional models to support reporting and self-service analytics.
- Automated ingestion from APIs, files, and relational sources using Python and scheduled jobs.
- Collaborated with stakeholders to translate business questions into reliable, documented datasets.
- Maintained CI checks, code reviews, and deployment practices for safe, repeatable releases.

Selected Project Focus Areas

- Modern data platform buildout (ingestion → lake → warehouse → marts) with governance and observability.
- dbt-based transformation layer implementing Kimball-style modeling and data contracts.
- Near-real-time event ingestion and enrichment for product analytics and operational dashboards.
- Cost-aware warehouse optimization: pruning, clustering/partitioning, and job scheduling improvements.

Education

Bachelor of Science in Computer Science, University of London (2020)

Interests

Data architecture, Streaming systems, MLOps, Data observability, Visualization for decision-making