

Best Technology Talent For Companies Around The World



Eduardo

Senior Data Engineer

Summary

Senior Data Engineer with 13+ years of enterprise technology experience combining Data Architecture, Data Engineering, Cloud, DevOps/DataOps, databases, and distributed systems. Experienced in translating business requirements into scalable, secure, governed, and cost-efficient solutions across AWS, Azure, and Databricks ecosystems. Strong hands-on background in Lakehouse, Data Lake, Data Warehouse, streaming, event-driven, and API-driven architectures, and CI/CD.

Has designed and delivered platforms processing up to 70 TB/day (telecom modem telemetry for Brazil's largest operators), built real-time CDC data pipelines using Confluent Kafka, Debezium, PySpark, and Delta Lake, migrated multi-terabyte Data Lakes from Azure to AWS, and designed industrial IoT/IT-OT data platforms for automotive manufacturing clients. Experience spans telecommunications, automotive, financial services, and industrial sectors.

TECHNICAL SKILLS:

- Data Lake, Lakehouse, Data Warehouse, Medallion Architecture, batch, streaming, CDC, event-driven patterns
- Python, PySpark, Apache Spark, SQL, Kafka, Debezium, NiFi, Trino, Delta Lake, Apache Iceberg, ETL/ELT, Airflow
- AWS (EMR, S3, Glue, Redshift, Athena, API Gateway), Azure (Synapse, Databricks, HDInsight, Event Hub, API Management, AKS), Databricks
- Kubernetes, Docker, Terraform, Ansible, CI/CD, Kong API Gateway, Keycloak
- Data Products, Data Contracts, data cataloging, metadata, lineage, data quality, RBAC
- PostgreSQL, SQL Server, Oracle, Cassandra, MarkLogic, Cosmos DB, IBM i/DB2; dimensional modelling, Star Schema / Kimball
- Industrial telemetry, IT/OT integration, IoT edge-to-cloud, time-series data, vehicle/test data platforms
- Power BI-oriented data products, Azure Synapse, Redshift

Professional Career

Data Solutions Architect

July 2024 – Present | Portugal

Project Info:

Designing end-to-end data and cloud solutions for clients across industrial manufacturing, automotive, and cloud data modernisation. Key projects include industrial IoT data platform), automotive test data, and Enterprise Data Virtualisation and Governance Platform.

Responsibilities:

- Designed end-to-end data and cloud solutions, translating business requirements into scalable, secure, governed, and production-ready architectures across AWS, Azure, and Databricks
- Led technical discovery, defined current-state assessments, target architectures, integration patterns, MVP scope, risks, and implementation roadmaps
- Designed Data Lake, Lakehouse, Data Warehouse, streaming, event-driven, and API-driven architectures including near-real-time IoT/Kafka pipelines writing Delta Lake tables on Azure
- Defined Data Governance capabilities: Data Quality, Metadata, Lineage, Data Contracts, Data Products, ownership, and Data Observability
- Designed API and platform integration using FastAPI, Azure API Management, Kubernetes, and PostgreSQL; defined deployment patterns with Docker, Terraform, and CI/CD
- Guided engineering teams through architecture decisions, implementation standards, solution reviews, and production readiness
- Delivered the Enterprise Data Virtualisation and Governance Platform: unified data access layer integrating 47 heterogeneous sources (PostgreSQL, CSV, external APIs) using Trino for federated querying and Kong API Gateway + Keycloak for governed, secure access

Software and technologies:

Python, PySpark, FastAPI, PostgreSQL, Databricks, Delta Lake, Apache Iceberg, Azure API Management, AKS, Kubernetes, Docker, Terraform, Kafka, Trino, Kong API Gateway, Keycloak, Parquet

DevOps Engineer & Cloud Support

October 2023 – July 2024 | Portugal

Project Info:

SAP migration from Azure to AWS and enterprise Oracle OCI environments.

Responsibilities:

- Supported SAP migration from Azure to AWS and enterprise Oracle OCI environments

- Automated infrastructure and operational processes using Terraform and Ansible; supported governance, standardisation, and operational reliability
- Created technical documentation and internal knowledge-sharing materials

Software and technologies:

Terraform, Ansible, AWS, Azure, Oracle OCI, SAP

Data Architect & Engineer

August 2022 – July 2023 | Porto, Portugal

Project Info:

Designed and developed ingestion and consumption pipelines on Azure Synapse and Azure Databricks.

Responsibilities:

- Designed and developed ingestion and consumption pipelines using Python and PySpark with Azure Synapse, Azure Databricks, and Event Hub
- Defined scalable data processing patterns and collaborated with stakeholders to align technical solutions with business requirements

Software and technologies:

Python, PySpark, Azure Synapse, Azure Databricks, Event Hub, CI/CD

Senior Data Architect

July 2018 – August 2022 | Brazil

Project Info:

Architected Big Data platforms and led multi-cloud Data Lake modernisation for telecommunications clients (Claro, Nextel, Vivo, Telecom Italia) and financial services. Key projects: Real-Time CDC Data Platform and Azure/AWS Financial Data Lake Migration.

Responsibilities:

- Architected Big Data platforms using Cloudera, AWS EMR, and Azure HDInsight; designed ingestion architectures with NiFi, Sqoop, and Spark
- Implemented near real-time CDC pipeline using Confluent Kafka, Debezium, PySpark, and Azure Databricks, processing Oracle database change events and writing curated Delta Lake datasets for analytical consumption
- Led migration of a multi-terabyte (8–12+ TB) Data Lake from Azure to AWS, redesigning Spark/HDInsight workloads into AWS EMR + Airflow patterns with focus on scalability, security, operability, and cost optimisation; incorporated Apache Iceberg as table format on AWS

- Supported Intelligence House project processing 70 TB/day of modem telemetry data for Brazil's largest telecoms operators: converting high-frequency JSON device feeds into compressed, queryable tables for operational analytics
- Supported multi-cloud Data Lake modernisation, architecture documentation, technical decision-making, and platform evolution

Software and technologies:

Python, PySpark, Apache Spark, Kafka, Debezium, Delta Lake, Apache Iceberg, AWS EMR, Azure HDInsight, Azure Databricks, NiFi, Sqoop, Airflow, Terraform, S3, SQL Server, Oracle

Big Data Infrastructure Architect

April 2018 – July 2018 | Brazil

Project Info:

Big Data environment design and administration with focus on performance, scalability, and distributed processing architecture.

Responsibilities:

- Created and maintained Big Data environments with focus on performance, scalability, capacity planning, and distributed processing architecture

Software and technologies:

Hadoop ecosystem, distributed processing, capacity planning

Big Data Infrastructure Administrator

April 2013 – April 2018 | Brazil

Project Info:

Implemented and administered distributed data platforms and designed and supported the company's first Data Lake.

Responsibilities:

- Implemented and administered distributed data platforms; coordinated capacity planning and infrastructure operations
- Designed and supported the company's first Data Lake, enabling analytical use cases for business and technical teams

Software and technologies:

Hadoop, distributed data platforms, Data Lake, infrastructure operations

Education

UNINTER, Brazil

Bachelor's Degree in Computer Systems Analysis and Development

Certifications

Gen AI from IBM

Oracle Cloud Infrastructure Architect Associate

Oracle Cloud Foundations

AWS Solutions Architect (training)

Azure Solutions Architect (training)

Azure Databricks

Azure Synapse

Data Warehouse and BI

Hadoop Ecosystem

ITIL v3 Foundation

COBIT 4.1

Foreign Languages Skills

English: Upper-Intermediate

Portuguese: Native