Renato Aragón

Senior Data Engineer & Data Architect

Azure Databricks · AWS · PySpark · Python · SQL · Apache Iceberg · GenAI

Porto, Portugal | Remote across the EU

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Professional Profile

Senior Data Engineer, Data Architect and Technical Lead with 14+ years designing enterprise data platforms across Azure, AWS and OCI. Combines hands-on engineering, architecture ownership, data governance, product thinking and cross-functional leadership in regulated and high-volume environments. Builds reliable ETL/ELT and lakehouse solutions from design through controlled delivery, while also founding and operating SaaS products in Brazil and Portugal.

Core Expertise

Architecture	Cloud-native Data Platforms · Lakehouse · Distributed Processing · Platform Modernization
Leadership	Technical Lead · Product Ownership · Architecture Decisions · Cross-functional Alignment
Cloud Platforms	Azure Databricks · Azure Data Factory · Azure DevOps · AWS Glue · EMR · Athena · S3 · Lambda · Step Functions · RDS · OCI
Data Engineering	PySpark · Python · pandas · SQL · Apache Iceberg · Apache Kafka · ETL/ELT · Lakehouse · Incremental Processing
Backend & Integration	PostgreSQL · Next.js · REST APIs · HubSpot API · Microsoft Graph · GenAI
Infrastructure	Terraform · Docker · CI/CD · Azure DevOps · GitHub Actions
Governance & Ops	Data Quality · Lineage · Deduplication · Schema Evolution · Observability · Dashboards
Databases	PostgreSQL · MySQL · SQL Server · Redshift · Snowflake

Selected Results

Area	Before	After
Monthly billing reconciliation	12 days	Real-time dashboard
Partner onboarding signature	8 hours / signature	8 seconds
Internal report generation	2 business days	Under 2 minutes
Daily tax authority emails	1,500+ reviewed manually	Automated ingestion + tracking
Revenue data visibility	No real-time financial data	Live P&L + payroll + ledger

Platform and data infrastructure built over 2 years at AG Capital Group.

Professional Experience

Hiscox | Senior Data Engineer | 2026 - Present | B2B Contract

- Enterprise data engineering in an international, regulated insurance environment.
- Build and modernise reliable data solutions with Azure Databricks, Azure Data Factory, PySpark, Python, pandas and SQL Server.
- Deliver through Azure DevOps with a strong focus on data quality, maintainability, evidence-based validation and controlled releases.

Aragón Tecnologia / Aragon Dataguard | Founder, Lead Data Engineer & Data Architect | 2013 - Present

- Designed cloud-native data platforms and automation systems for clients across Brazil and Portugal, translating operational requirements into scalable technical solutions.
- Led end-to-end technical delivery: architecture, ETL design, cloud infrastructure and client-facing stakeholder alignment.
- Built event-driven data pipelines with Apache Kafka, using a transactional-outbox pattern to stream PostgreSQL changes into near-real-time KPIs and cross-product analytics.
- Built and operates proprietary SaaS products in production: PsycoHub, NutriPro, Sola Beauty, Dockly and LaboraHub.
- Stack: Python · PostgreSQL · AWS · Next.js · AI integrations.

BMW Group | Senior Data Engineer | 2024 - 2026 | B2B Contract

- Designed and modernized enterprise batch pipelines using AWS Glue and EMR integrated with BMW Cloud Data Hub.
- Implemented complex PySpark transformation layers for large-scale automotive and operational datasets.
- Contributed to a cloud migration from OCI to AWS, mapping services and re-platforming associated pipelines.
- Applied Apache Iceberg transactional patterns including upserts, schema evolution and time travel.
- Supported scalable infrastructure patterns using Terraform and cloud-native orchestration.
- Collaborated within regulated enterprise environments with governance and analytics stakeholders.

AG Capital Group | Senior Data Engineer / Technical Lead & Coordinator | 2018 - 2026 | B2B Contract

- Led evolution of a centralized analytics and operational platform across 14+ integrated systems, 8 business units and 324 daily users.
- Architected ETL pipelines integrating financial systems, CRM, fiscal authorities and Microsoft Graph.
- Led migration of an AWS data lake to OCI, re-architecting storage, ingestion and processing without disrupting daily operations.
- Built and operated standardized Snowflake pipelines, governed ELT models and analytical layers for finance and commercial teams.
- Developed audit layers, deduplication strategies and real-time P&L integrated with accounting ledger and payroll.
- Reduced operational effort by over 40% through platform modernization, cloud-native automation and GenAI integration.
- Coordinated cross-functional teams, mentored engineers and acted as an architecture reference.

Business Impact & Positioning

Enterprise Data Platforms	Designed and modernized data ecosystems across Azure, AWS and OCI, covering ETL/ELT, lakehouse patterns and operational analytics.
Architecture Ownership	Operates across architecture decisions, hands-on implementation, technical leadership, governance and platform modernization.
Engineering Quality	Uses explicit contracts, data-quality controls, representative tests, reconciled outputs and controlled releases to build trust.
Business Alignment	Translates operational and executive requirements into scalable data products, automation and decision-support capabilities.
Builder Profile	Founder of SaaS products in production across Brazil and Portugal, combining product ownership, engineering and operations.

Education & Languages

- Postgraduate in Big Data & Analytics - UNISUL, Brazil, in progress, 2024 - 2026.
- Business Administration studies - UDESC, Universidade do Estado de Santa Catarina, Brazil.
- Portuguese: Native. English: C1. Spanish: Intermediate.