

Renato Aragón

Senior Data Engineer & Data Architect

AWS · PySpark · Apache Iceberg · Python · GenAI
Porto, Portugal | Visto D2 with AIMA residence process in progress | Available for B2B remote contracts across EU
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Professional Profile

Senior Data Engineer, Data Architect and Technical Lead with 14+ years designing enterprise data platforms, ETL/ELT pipelines, and cloud-native architectures in regulated and high-volume environments. Background combining hands-on engineering, product ownership, data governance, and cross-functional alignment, operating across architecture, automation, analytics, and executive stakeholder-facing responsibilities. Also a builder: founder of multiple SaaS products in production across 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 & Data	AWS Glue · EMR · Athena · S3 · Lambda · Step Functions · RDS · OCI (Oracle Cloud Infrastructure) · Azure Databricks · Azure Data Factory
Data Engineering	PySpark · Apache Iceberg · Apache Kafka · Event-Driven / Streaming · ETL/ELT · Lakehouse · Incremental Processing
Backend & Integration	Python · PostgreSQL · Next.js · REST APIs · HubSpot API · Microsoft Graph · GenAI
Infrastructure	Terraform · Docker · CI/CD · GitHub Actions
Governance & Ops	Data Quality · Lineage · Deduplication · Schema Evolution · 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
Company revenue supported	~R\$8M avg/month	R\$25M+ avg/month

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

Professional Experience

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

- Senior Data Engineer on a cloud data platform in the insurance domain, building and modernising data-integration pipelines.
- Develop and migrate file-integration pipelines on Azure Databricks (PySpark / pandas) and Azure Data Factory.
- Re-engineer legacy SQL-based transformation logic into a modern object-oriented dataframe framework, used as a baseline for new integrations.
- Implement validation, mapping and error-handling rules, with parity testing against production outputs.
- Deliver through Azure DevOps (Git branching, pull requests, release pipelines) in a regulated financial-services environment.

Aragón Tecnología / 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 — a transactional-outbox pattern streaming PostgreSQL changes to Kafka to power near-real-time KPIs and cross-product analytics.
- Also built and operates a portfolio of proprietary SaaS products in production: PsychoHub (digital practice for psychologists), NutriPro (nutritionists), Sola Beauty (beauty professionals), Dockly (agency project management), and LaboraHub (talent marketplace for Portugal & Spain).
- 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 (CDH).
- Implemented complex PySpark transformation layers for large-scale automotive and operational datasets.
- Contributed to a cloud migration from OCI to AWS, mapping Oracle Cloud Infrastructure services to their AWS equivalents (Object Storage → S3, Data Flow → Glue/EMR, Autonomous Data Warehouse → Redshift/Athena) and re-platforming the associated pipelines.
- Applied Apache Iceberg transactional patterns: 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 centralized analytics and operational platform across 14+ integrated systems, 8 business units, and 324 daily users.
- Architected ETL pipelines integrating financial systems, CRM (HubSpot API), fiscal authorities (Receita Federal), and Microsoft Graph.
- Led the full migration of the AWS-based data lake to OCI (Oracle Cloud Infrastructure), re-architecting storage, ingestion, and processing layers with no disruption to daily operations.
- Built and operated standardized Snowflake data pipelines over ~2 years, delivering governed ELT models and analytical layers for finance and commercial teams.
- Developed governance mechanisms: audit layers, deduplication strategies, 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 for commercial teams.
- Acted as Technical Lead, Coordinator, and architecture reference — coordinating cross-functional teams across engineering, analytics, and business units, mentoring engineers, and driving data-driven culture at scale.

Business Impact & Positioning

Enterprise Data Platforms	Designed and modernized data ecosystems across cloud-native architectures, ETL/ELT, Lakehouse patterns, and operational analytics.
Architecture Ownership	Operates across architecture decisions, technical leadership, stakeholder alignment, governance and platform modernization.
Business Alignment	Translates operational and executive requirements into scalable data products, dashboards, automations and decision-support capabilities.
Builder Profile	Founder of SaaS products in production across Brazil and Portugal, combining product ownership, engineering, automation and data platform thinking.

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.

Contract & Mobility Context

Based in Portugal with Visto D2 and AIMA residence process in progress. Contract model to be validated according to company policy and applicable legal framework. Available for B2B remote contracts across EU.