

Victor Ramos Pasqualini

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Summary

Data Engineer with 5+ years of experience building robust pipelines in cloud architectures. Specialized in legacy system migration, ETL/ELT processing with Spark, and data infrastructure on AWS/GCP. Expertise in open source technologies (Spark, Kafka, Airflow) focused on data quality, integrity and availability.

Experience

Aug 2025 - Ago 2026 Data Specialist

Serasa Experian by ACT Digital

Led complex mainframe (Cobol/DB2) to AWS pipeline migration processing massive daily positional file ingestion. Implemented data validation and quality with consolidated table generation (bronze/silver/gold) for ML and diverse products. Stack: Spark Scala/Python, DuckDB, Pandas, Polars, PySpark, EMR, EC2, Lambda, SQS, MSK, MWAA, S3, Iceberg, DeltaLake, Athena, RDS/Aurora, DynamoDB, DocumentDB, GlueCatalog. Observability with Datadog, Grafana and CloudWatch. Production deployment with dualrunning across environments. Integrations via EventBridge, REST APIs and IaC with CloudFormation.

Apr 2025 - May 2026 Data Engineer III

Vert Capital by Stech Soluções

Maintained Databricks ecosystem with DLT, UnityCatalog and DeltaLake ensuring 90% SLA availability. Optimized batch PySpark pipelines reducing processing time by 40% through query optimization. Implemented new end-to-end pipeline using PySpark, Kafka and APIs. Stack: Databricks, DLT, UnityCatalog, PySpark, DeltaLake, Kafka, PostgreSQL, Django, Metabase, PowerBI. Collaborated with Analytics team on data reliability.

Nov 2024 - May 2025 Data Engineer II

Stech Soluções

Developed end-to-end GCP pipeline focused on data ingestion from multiple sources. Implemented data quality validations with DuckDB in Cloud Functions. Stack: GCP (Cloud Storage, BigQuery, Compute Engine, Cloud Functions, Composer), Python, DuckDB. Automated processes with Composer (Apache Airflow) reducing manual interventions.

Aug 2022 - Aug 2025 Data Engineer I

SPC Brasil

Data Lake Architect on Hadoop/AWS (20+ TB daily) leading on-premise to AWS migration. Projects: data quality, lead generation, credit pipelines and ML data serving. Incremental processing of XML/CSV files on-premise and on AWS. Stack: Spark (Scala/PySpark/Java), Hadoop, Airflow, Kafka, NiFi, CtrlM, RabbitMQ, AWS (EC2, EMR, Glue, S3, Athena, CloudWatch), Hive, Impala, Sqoop, Terraform. Databases: MySQL, MongoDB, Oracle, DuckDB. BI: PowerBI, Elasticsearch. IaC with Terraform, robust orchestration with 100+ daily jobs, REST APIs, CloudWatch monitoring.

Sep 2021 - Aug 2022 Data Engineering Intern

SPC Brasil

Data Lake maintenance on Hadoop with data cleaning and partition compaction. Development of Python/Scala scripts for integrity validation and historical reprocessing. Support for Spark infrastructure in staging and production environments.

Academic Background

2025 - 2026 Inbix Academy

MBA - AI for Innovation

2024 - 2025 FIAP

MBA - Data Engineering

2020 - 2022 FATEC São Paulo

Bachelor's, Systems Analysis and Development

2017 - 2019 ETEC Jardim Ângela

Technical, Computer Science - Integrated High School

Languages

English (Advanced Level)

Technical Skills

Linguagens • Python (Pyspark, Pandas, Polars, DuckDB), Scala, Java, SQL, Cobol, Rust

ETL/ELT • Spark (Batch/Streaming), C Glue, EMR, EC2 (spot), Lambda, Sqoop, DataFusion Comet, Databricks, Snowflake, Compute Engine, Cloud Functions, Incremental, CDC

Mensageria • Kafka, SQS, MSK, RabbitMQ, Redpanda

Orquestração • Airflow, MWAA, EventBridge, Step Functions, Composer, CtrlM, Nifi, Databricks DLT, Databricks Workflows

Storage e Lakehouse • S3, GlueCatalog, Iceberg, Hadoop, Kudu, BigQuery, Cloud Storage, DeltaLake, UnityCatalog, Medallion Architecture

Banco de Dados • RDS/Aurora, PostgreSQL, MySQL, DynamoDB, MongoDB, DocumentDB, Oracle, DB2

Infra • Terraform, Terragrunt, CloudFormation

Analytics e Observabilidade • Datadog, Grafana, Metabase, Power BI, BigQuery, Hive, Impala, Elasticsearch, CloudWatch, Athena

Outros • CI/CD (Cockpit), git (Gitlab, Bitbucket), Linux (Shell Script, Bash Script)

Certifications

MongoDB SI Associate (2025)