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André

Senior Data Engineer

Summary

Senior Data Engineer with 7+ years of experience building and supporting enterprise-scale data platforms. Specialised in Snowflake, Databricks, Azure Data Factory (Fabric), Data Quality, SQL, Python, Spark, Agile methodology, CI/CD and Quality Engineering (QE/QA — pre-production testing). Strong background in production support, root cause analysis, automated validation frameworks and cloud migration.

Acted as one of the leaders in a data migration to Azure Cloud, which was completed in less than 9 months. Developed a methodology for monitoring jobs and pipelines by collecting data in notebooks and visualizing it in Power BI, enabling cost reduction (+- 50% time reduction in some cases) and fewer pipeline failures. Created automated alerts in Teams via Databricks, resolving transaction discrepancies and saving the client $1M per month. Microsoft DP-203 and Databricks certified professional

TECHNICAL SKILLS:

- Azure, Snowflake, Databricks, Azure Data Factory, Azure Synapse, Azure Data Lake Gen2
- Python, SQL, Scala
- PySpark, Spark SQL, Apache Spark
- Delta Lake, Unity Catalog, Databricks Workflows, Kafka, Event Hub
- ETL/ELT, Medallion Architecture, Data Quality, QE, Hypercare, Root Cause Analysis
- Terraform, Azure DevOps, Git, CI/CD, Jira, Kanban

Professional Career

Senior Data Engineer

December 2023 – Present | Curitiba, Brazil

Project Info:

Owned Hypercare for two mission-critical Route-to-Market (RTM) data products: ROI and Next Best Action (NBA).

Responsibilities:

- Designed and implemented new data features while continuously enhancing existing pipelines and datasets based on evolving business requirements from the Mars RTM team
- Developed and managed Bronze, Silver and Gold data layers following a Medallion Architecture in Databricks, using Unity Catalog to organise and govern data assets
- Designed proactive Data Quality frameworks for Snowflake and Databricks environments, reducing downstream production failures by approximately 90% through early anomaly detection
- Applied Quality Engineering (QE) practices by validating every release in Pre-Production before Production deployment
- Maintained Snowflake assets, Azure Data Factory pipelines and Databricks Workflows
- Worked with Azure DevOps CI/CD pipelines, Git, Jira and Kanban; partnered with business stakeholders to resolve incidents and deliver permanent production fixes

Software and technologies:

Databricks, Snowflake, Unity Catalog, Azure Data Factory, Medallion Architecture, Azure DevOps, Git, CI/CD, Jira

Data Quality Engineer

December 2023 – July 2024 | Curitiba, Brazil

Project Info:

Primary Data Quality Engineer supporting a large-scale enterprise data migration from a legacy platform to Databricks.

Responsibilities:

- Validated data consistency between the legacy platform and the new Databricks environment, ensuring a successful and accurate migration
- Designed and executed end-to-end data validation strategies, comparing source and target datasets using SQL and PySpark
- Developed automated Data Quality (DQ) checks in Databricks to continuously validate migrated datasets after production deployment
- Created reusable validation notebooks that reduced manual validation effort by approximately 30%

- Performed root cause analysis for data discrepancies and collaborated with Data Engineering teams to resolve migration issues
- Validated releases across Development, Pre-Production and Production environments following QE best practices

Software and technologies:

Databricks, SQL, PySpark, Data Quality automation, root cause analysis

Senior Data Engineer

December 2022 – November 2023 | **Curitiba, Brazil**

Project Info:

Led migration from on-premises environments to Azure Cloud and mentored a team of seven engineers.

Responsibilities:

- Led migration from on-premises environments to Azure Cloud
- Provisioned Azure Resource Groups, Storage Accounts, Key Vaults and secrets using Terraform for DEV and PROD environments
- Developed streaming pipelines using Kafka, Event Hub and Databricks
- Mentored a team of seven data engineers

Software and technologies:

Azure, Terraform, Kafka, Event Hub, Databricks

Data Engineer

November 2021 – November 2022 | **Brazil**

Project Info:

Built enterprise ETL/ELT pipelines, API integrations, Power BI solutions and workflow automation.

Responsibilities:

- Built enterprise ETL/ELT pipelines and API integrations
- Delivered Power BI solutions and workflow automation for business intelligence use cases

Software and technologies:

ETL/ELT, Python, SQL, Power BI, API integration

Data Engineer

June 2019 – August 2021 | **Curitiba, Brazil**

Project Info:

Developed Airflow pipelines, PostgreSQL automations and manufacturing analytics dashboards.

Responsibilities:

- Developed Apache Airflow pipelines and PostgreSQL automations
- Built manufacturing analytics dashboards to support operational decision-making

Software and technologies:

Apache Airflow, PostgreSQL, Python, SQL, analytics dashboards

Certifications

- Microsoft Azure Data Engineer Associate (DP-203)
- Microsoft Azure Fundamentals (AZ-900)
- Microsoft Azure Data Fundamentals (DP-900)
- Databricks Data Engineer Associate
- Databricks Certified Associate Developer for Apache Spark
- Databricks Lakehouse Fundamentals

Foreign Languages Skills

Portuguese: Native

English: Upper-Intermediate