ERICK SANG CIFUENTES

✉ ericksang@gmail.com
📞 +573134816342-3142728379
🏠 KR 23 A Sur # 1 - 140, 250030 Madrid
🚩 Colombian

TECHNICAL SKILLS

Data Engineering Fundamentals: ETL processes, data warehousing, data lakes, data modeling, data quality

Databases: Relational (SQL Server, PostgreSQL, Oracle), NoSQL (MongoDB, Cassandra)

Programming Languages: Python, SQL, Java ,C++, JavaScript)

Version Control: Git

Visualization (Power BI DAX, Excel VBA, Looker, SAS VIYA)

CI/CD: Continuous Integration/Continuous Deployment

Cloud Platforms: AWS, Azure, GCP, cloud data warehouses (Snowflake, Redshift)

Big Data Technologies: Hadoop, Spark, Kafka

Orchestration Tools: Apache Airflow, StepFunctions, Glue

PROFILE

Data-driven professional with 5+ years of experience designing, developing, and maintaining scalable data pipelines and data warehouses. Expertise in Python, SQL, SAS, and ETL. Proven ability to collaborate with cross-functional teams to deliver high-impact data solutions.

Highlights:
- Designed and implemented data pipelines for real-time data ingestion and processing.
- Developed data models for data warehousing and analysis.
- Migrated data from on-premises to cloud-based storage.
- Automated data quality checks and monitoring processes.
- Provided data analysis support to business stakeholders.

With attitudes like leadership, pro activity, responsibility and commitment. Effective performance in any work area, with observation skills and problem solving

EDUCATION

Software Engineering   Jan 2023 - Present
Politécnico Grancolombiano, Bogotá DC
Approved eigth semester

Automation and Robotics Technology   Sep 2017 - Jun 2021
ECCI, Escuela de Colombiana de Carreras Industriales, Bogotá DC
Degree option

Electronic Engineer   Sep 2012 - Jun 2016
Universidad Distrital Francisco Jose de Caldas, Bogota DC; Electroni, Caldas
Deferred-retired.

EMPLOYMENT

Data Engineer   Sep 2024 - Mar 2025
FACTECH, Bogotá
Designed and implemented efficient data pipelines, achieving 90% improvement in processing Developed ETL/ELT solutions for large data volumes and real-time flows Migrated legacy systems to modern architectures, ensuring integrity and optimization Implemented automated validations reducing errors by 35% and

SOFT SKILLS

- **Problem-solving:** Ability to analyze complex problems and find efficient solutions

- **Communication:** Effectively conveying technical concepts to both technical and non-technical audiences

- **Collaboration:** Working effectively in cross-functional teams

- **Adaptability:** Ability to learn new technologies and adapt to changing requirements

- **Curiosity:** A passion for learning and staying up-to-date with the latest trends in data engineering

- **Attention to detail:** Ensuring data accuracy and consistency

LANGUAGES

English

Spanish

CERTIFICATES

PHP
PHP Certify https://www.sololearn.com/certificates/CT-LOCLLFMS

SQL
Basics https://www.sololearn.com/certificates/CT-DCUFFWUY

guaranteeing data quality Optimized relational and NoSQL databases, reducing query times by 50% Built infrastructures for ML solution integration and analytical processing Collaborated with DevOps teams in implementing IaC solutions and CI/CD processes Centralized and standardized data processes complying with regulatory requirements

Data Specialist
Dec 2021 - Present
Teleperformance, Bogotá DC
Designed and developed data pipelines for ingesting data from various sources, including web applications, APIs, scraping, RPA processes and log files. Transformed and cleaned raw data to ensure data quality and consistency.
Ensured the monitoring and uptime of all production databases and processes (SQL jobs, .net framework executables), diagnosed and fixed database and process errors.
Performed complex systems analysis and programming activities related to database design, query design, and the creation of stored procedures, indexes, and functions.
Refined system performance and functionality, recommended optimizations to existing application queries.
Built data models for data warehousing and analysis.
Automated data quality checks and monitoring processes to ensure data integrity.
Provided data analysis support to business stakeholders to drive data-informed decisions.

Senior Visualization Architect
Jan 2019 - Nov 2021
Nexa BPO, Bogota DC
Collected, cleaned, and analyzed data from various sources to support business intelligence initiatives. Developed reports and dashboards to visualize data and communicate insights to stakeholders. Conducted ad-hoc data analysis to support business decisions. Identified data trends and patterns to improve business processes and performance. In plataforms as SAS Enviroment, Power BI and advanced queries in SQL Server. SAS VIYA visualization, Excel BI dashboard and VBA coding.

Systems Coordinator
Jan 2018 - Dec 2019
Nesagaviria SAS, Bogota DC
company 24/7. Generation of reports and database control, software implementation and deployment management, Infrastructure control, RAC and Datacenter. Back Office

Back Office
Jan 2017 - Jan 2018
Digitex, Bogota DC.
Management of customer information creating routes for warranty coverage in the samsung campaign, optimizing time and resources.

Support Engineer 1st Level Night
Jan 2014 - Dec 2016
Wavecomm Corporation, Bogota DC
Remote support to devices installed by the company 24/7. And Plataform2018-2020 status control, Zimbra, CRM. Control and remote monitoring. Reports generation and database management.

Technical support
Present
Propietary, Bogota DC

Intermediate https://www.
sololearn.
com/certificates/CC-
BGVGI3HQ
Advance

HTML
Nov 2017
HTML Certify https://www.
sololearn.
com/certificates/CT-
QXOBKJOV

Python Essential
LinkedIn Learning:
https://www.linkedin.
com/learning/certificates/a
70d64df25b1d2e1634f1588b3
d93d1d4fe69cf52b96703182
afd0ef27dbe7c5

Python
Certify ProgramingHub
https://storage.googleapis.
com/programminghub/cer
tificate%2F1724142479407.jpg

Java
Solo Learn https://www.
sololearn.
com/certificates/CT-
T7BOK72I

Power BI
Certify Linkedin https://www.
linkedin.
com/learning/certificates/2
7336aff55c5b5828181df1363
a3b32ef80f31bad79e2fb395
701633375f6865?trk=
share_certificate

Installation, repair, consulting in networks protocol.

COURSES

Associate Data Engineer in SQL
DataCamp
DE101 be able to:
- Interpret a database schema and explain database design concepts (such as normalization, design, schemas, data storage options)
- Perform data extraction, joining and aggregation tasks
- Perform cleaning tasks to prepare data for analysis
- Assess data quality and perform validation tasks
- Use data visualization tools to demonstrate characteristics of data
- Read and analyze data visualizations to represent the relationships between features

Data Engineer in Python   Present
DataCamp
DE201 data management theory, data management in Python, and programming for data engineering in Python. should be able to:
- Identify different cloud tools that can be used for storing data and creating and maintaining data pipelines
- Perform standard data import, joining and aggregation tasks
- Perform cleaning tasks to prepare data for analysis
- Assess data quality and perform validation tasks
- Collect data from non-standard formats (e.g. json) by modifying existing code
- Use common programming constructs to write repeatable production quality code for analysis
- Demonstrates best practices in production code including version control, testing and package development
- Use software engineering principles (OOP, profiling, debugging) to write efficient, modular code in python