Sigifredo Castro Briceño
Data and Analytics Engineer

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San Jose, Costa Rica

An experienced Data Engineer, Analytics Engineer and BA with a strong interest in projects requiring conceptual and analytical thinking to solve complex data and business problems of very different work fields. Fully committed to developing innovative, helpful, and efficient BI projects. Always eager to learn more regardless of the industry. With experience in working with SQL Server, Oracle, Azure, AWS, PostgreSQL, Power BI, Tableau, and other BI Tools, ESRI, Quantum GIS, and languages like SQL, Python and R.

Professional Experience

NTT Data
Data and Analytics Engineer - Remote -October 2021 to present
-Implemented an end-to-end analytics process to monitor the connectivity across all company sites.
-Contributed to the development of information technology strategies, policies, and plans.
-Administered the reporting environment, including both Tableau and Power BI.
-Translated business requirements into application requirements.
-Recommended solutions or improvements to business processes by leveraging new technology or alternative uses of existing technology.
-Identified and analyzed business needs, gathered requirements, and defined scope and objectives to support informed business decisions.

NTT Data
Analytics Engineer - Remote -October 2020 to October 2021
-Defined KPIs and metrics for supply chain management and logistics.
-Identified, analyzed, and interpreted trends and patterns in complex data sets.
-Collected, filtered, and cleaned data to ensure accuracy and quality.
-Worked with management, stakeholders, and users to prioritize business and information needs.
-Developed technical and complex reporting solutions using Tableau and Power BI.
-Collaborated with Scrum teams to integrate new systems, streamlining workflows and company processes.

Inteligencia Geoespacial
Chief Performance Officer - Remote - January 2017 to October 2020
-Built data pipelines for a geospatial analytics system, integrating and visualizing data.
-Performed data mining and developed analytical models to enhance decision-making.
-Partnered with stakeholders to define data requirements and KPIs.
-Designed custom dashboards for actionable insights.
-Configured and managed ETL workflows for seamless data integration.

Municipality of Escazu, CR
GIS Manager - Escazu, Costa Rica - January 2016 to January 2017
-Managed and improved the geospatial system for the municipality.
-Increased the percentage of properly registered and audited properties from 60% to 95%.
-Led a multidisciplinary team of four to develop a public web-based GIS system.

Municipality of Escazu, CR
GIS Assistant - Escazu, Costa Rica - July 2009 to January 2016
-Conducted data analysis for taxation, land valuation, and strategic land management.

-Collaborated with IT teams, tech leads, and users to build applications.
-Provided corporate and external client services.
-Designed GIS data interfaces, publications, and dashboards.
-Collected and interpreted data to support decision-making processes.
-Enhanced existing systems by adding new functionalities.
-Developed and implemented geospatial solutions.

Education
Universidad de Costa Rica
Cadastral and Measure Engineer - Costa Rica -January 2004 to December 2010

Certifications
Skillsoft Certifications Wallet https://skillsoft.digitalbadges.skillsoft.com/profile/sigifredocastro457802/wallet
AWS Solutions Architect Associate Data & Service Availability - Percipio - March 2024
Data Management Systems - Percipio - February 2024
Generative AI and Its Impact to Everyday Business - Percipio - February 2024
Managing, Monitoring, & Securing the Pipeline - Percipio - September 2023
DevOps for Engineering Leaders - Percipio - August 2023
Business Reporting with Power BI - Percipio - August 2021
NTT DATA Certified EIM - Tableau Developer - Percipio - June 2021
Data Flows and Data Analysis - Percipio - February 2013

Technical Skills

Skill	Years Used	Utilized
SQL (SQL Server, PostgreSQL, MySQL)	10+	Built and optimized queries, views, and stored procedures. Used in data pipelines, reporting, and analytics across SQL Server, PostgreSQL, and MySQL environments.
Data Visualization (Power BI, Tableau, Storytelling)	5+	Designed interactive dashboards and reports tailored to business needs. Created storytelling-driven analytics solutions using Power BI and Tableau. Delivered insights for logistics, infrastructure monitoring, and business performance.
Python	4+	Utilized in data cleaning, automation, analytics, and API integration. Implemented scripts for data pipelines and ad-hoc analyses.
R	3+	Applied for statistical analysis and data visualization. Used in analytics models and data storytelling.
Cloud & Data Platforms (Azure, AWS, Snowflake)	3	Supported data and analytics solutions using cloud infrastructure and modern data platforms. Worked with Azure SQL, AWS S3, and Snowflake for storage, processing, and analysis.
ETL Tools	5+	Built and maintained ETL workflows for seamless data integration across systems.
DevOps Concepts	2	Recently trained in monitoring, managing, and securing pipelines. Knowledgeable in CI/CD and cloud deployment practices.

Languages
Spanish: Native
English: C2
CEFR Certification: https://cert.efset.org/aCYvg2