

Sigifredo Castro Briceño

Data and Analytics Engineer

Phone: +50683112325

Email: sigicb@gmail.com

www.linkedin.com/in/sigifredocastro

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

SQL Server

PostgreSQL

Azure

Hadoop Cloudera

Snowflake

MySQL

Geospatial DB - DBA

ESRI – ARCGis

Quantum GIS

Python

R

Github

Scrum-Agile

Power Automate

ETL Tools

Tableau Ecosystem

Power BI

Viz and Storytelling

Languages

Spanish: Native

English: C2

CEFR Certification: <https://cert.efset.org/aCYvg2>