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Professional Overview

Experienced Computer Engineer with a proactive and organized approach. Proficient in data manipulation projects, demonstrating exceptional communication skills and a talent for fostering interpersonal relationships. Skilled in implementing Data Lake projects, utilizing open-source tools and leading platforms like AWS and Snowflake.

Summary of Qualifications

Proficient In:
- Python (Lambda, Data structures)
- Snowflake
- Apache Spark (Batch and Stream)
- AWS (Glue, Step functions, Athena,
- Redshift, S3, EMR, EC2, Lambdas, Dynamo)
- Apache Hadoop
- Apache Hive
- Apache Airflow and Oozie
- Apache Kafka
- Git (Gitflow)
- SQL
- Unix Scripting
- HDFS
- KSqlDB
- Docker
- Databricks
- Airflow
- Keboola
- Airbyte
- MongoDB
- RDBMS (postgres, SQL Server, MySQL)
- Data Warehousing
- agile methodologies
- Microservices (FastAPI)

Languages

Spanish native and advanced English

Career History

Contractor Modality (different projects and clients)   2023 – Today
AWS lambda, triggers, S3, Cloud Formation, APIs, Python, ETL, ELT, PySpark, Snowflake, EMR, SQL

Senior Data Engineer
- Implementation of lambdas on AWS environment for digital marketing company.
- Snowflake Streams are used in order to capture upserts from a source table.

Northlabs, United States (No Office)   2022 – 2023
Keboola, Airbyte, ETL, ELT, AWS, Snowflake, SQL

Senior Big Data Architect
- Implementation of transformation processes in Snowflake in which external stage components were used to ingest data from a bucket in s3.
- In order to process json (semi structure), a variant type column is used to later perform the separation for each of the columns.
- Multidimensional model is implemented on snowflake in which dimensions and fact tables are

created
- Helps American companies automate and implement data pipelines
- Understand the needs and propose a new architecture related to data collection, transformation and availability

Globant, Santiago, Chile   2019 – 2022
AWS, GCP, Data Pipelines, Gitflow, Python, Pyspark, KsqlDB, Kafka, MongoDB, Databricks, Snowflake, SQL, DeltaLake

Senior Big Data Architect
- Participation as technical leader and data engineer in various data projects
- Design and implementation of frameworks and pipelines in batch and real time mode
- Helps American companies to improve and automate data processes

Teradata, Santiago, Chile   2017 – 2019
Cloudera, Hive, Spark, Python, SQL, ETL, ELT, Gitflow, Oozie, HDFS, Hadoop.

Senior Big Data Architect
- Definition of tools, standards, best practices and implementation.
- Company Data Lake implementation using Cloudera distribution and its entire ecosystem.
- Support to development teams.

Globant, Santiago, Chile   2016 – 2017
AWS, EMR, Java, Python, Spark, Hive, S3, ETL, ELT

Big Data Architect

- Datalake implementation using AWS Cloud (EMR)
- Technologies used in the implementation step: Oozie, impala, java, scala, spark, hive, HDFS, S3

Everis, Santiago, Chile   2016– 2016
OnPremise, Cloudera, Hadoop, Hive, HDFS, SQL, ETL

Big Data Architect

- Customer support in technical decisions regarding Company Data Lake implementation.
- Customer support in architecture design

TCS, Santiago, Chile   2015– 2016
Hortonworks, Hive, HDFS, Sqoop, Datalake, DB2

Senior Data Engineer Big Data and Business Intelligence

- Data Lake Modeling and developing for Scotiabank Mexico.
- ETL Development using Apache Sqoop ingesting data from DB2 to HDFS

Penta Vida, Santiago, Chile   2009– 2015
Pentaho, ETL, SQl Server, ELT, SSIS, SSAS, SSRS, Java, SQL

Software Engineer

- ETL Developer using Microsoft SSIS, SSAS, and SSRS.
- ERP Company developer using java language.
- SQL Server Stored procedure maintenance.

Education
Universidad Tecnologica de Chile INACAP, Valparaiso, Chile   2005 – 2009
Computer Engineer

Teradata University, San Diego, California   2018
Spark Advanced (1.6 & 2)

Teradata University, San Diego, California   2018
Spark Basics (1.6 & 2)

TCS, Santiago, Chile   2016
"Big Data and Hadoop Ecosystem"

Pontificia Universidad Católica de Chile, Santiago, Chile   2013
"Herramientas para el Diseño de Gestión de proyectos."

Microsoft, Santiago, Chile   2011
Microsoft Certification 70-452.
Designing a Business
Intelligence Infrastructure Using Microsoft SQL Server 2008

Microsoft, Santiago, Chile   2010
Microsoft Certification 70-448.
Microsoft SQL Server 2008,
Business Intelligence Development and Maintenance