Rene Silva

Senior Sql Database Administrator at The Hackett Group Inc.

Computer Engineer – Universidad de Santiago - TI Project Manager certified – Universidad de Chile
Now: DBA and Data Engineer →**Next Level:** Improving Data Scientist and Bilingual skills.
Data Skills→ETL/Java & Python Developer, Scraping, Consuming REST APIs, Multi CLOUD.
Newest Skills → Learning Devops / Learning Sensors and IOT data capture / Learning Apache Airflow.

5+ years at **HDI Insurance**/Development JAVA+Oracle.
10+ years at **Walmart**, 5+Customer Intelligence/GEO Analyst, 5+ years as Senior DBA.
3+ years with **Global Enterprise Data**, Warehouses/Datalakes/SmartTools.
Principal Skills: DBA, DataEngineer, Integrator/Migrator - JAVA/Python/PHP.
Geo Tools: Geo-Graphical Reports, Geo-KPIs, GeoShare (Walmart).
Other skills: Database EntityRelation Dev/Object Oriented OOP.
Scraper/Crawlers developer, REST APIs/ERP/CRM data consumer to populate databases.
Integrations between distinct database flavors and clouds, I can transform the RAW Data in INFORMATION to make better decisions and obtaining business advantages.
Clouds: AZURE, GCP, AWS, ALIBABA.
Experience training people and programmers mentoring.
Total 18+ years of experience, **please read my recommendations on LinkedIn**.
https://www.linkedin.com/in/rsilcas/

SKILLS

Platforms					
Azure	AWS	GCP	Alibaba	Linux	WIN
Technologies					
JAVA J2EE	Python	C language	Data Engineer	Talend	DBA
STRUTS	Django	C# C++ Lang	SSIS Integration	DataStage	SQL
HTML	Flask	Visual Basic	PowerCenter	Learning AirFlow	Analysis Services
Javascript	BeautifulSoap	Powershell	DataFactory	PHP-GEO Tools	OLAP Cubes
Databases					
SQL Server	Snowflake	Oracle	Teradata	PostgreSQL	AWS Aurora
Others					
Scrapers	Crawlers	Voice Bots	Speech – recog.	Softaculous	UIPATH
Data Distribution	AWS EC2	AWS S3	-	-	Automation
Soft Skills					

Thinking out of the box, teaching people, mentoring programmers on new techs.

TheHackettGroup.com - MIAMI   **Montevideo, Uruguay** (Remote from Chile)
DBA Senior – Data Engineer   **(2021/03 – 2022/06)**

TheHackettGroup.com, managing and updating databases on SQLServer – Microsoft databases.
Others BigDATA: Snowflake – WebCrawler creation with drilldowns on some links.
Others OLTP: Oracle, managing global databases Brookfield.com, Edgewell.com, Energizer and Garmin.

During this time I participated in the following projects:

- **Project: Company Master Database** www.Data.ai **(2021/11 – 2022/06)**
  The project goal is obtaining a complete company master database with the trademarks hierarchy.
  Main tasks executed in the project:
  - Creation of the custom WebCrawler to Data.ai team, this tool will be used to obtain the brand hierarchy of the application publishers and companies, databases: Google Apps and IOs Apps databases.
  - I created on my mind, designed, and implemented from scratch the solution, with diagrams delivered the Wednesday of all weeks with the improvements on OOP model/diagram and Snowflake database in ER diagram delivered on HTML mode, easy to understand created on DBSchema.
  - SCRUM, with Daily meetings and this was my first project 100% in English mode.
  - Produce RAW data to the Data Scientist teams, to create/train the hierarchy algorithms.

  Saving money on S3 Buckets, navigating 2.4 million webpages using memory and parallelism, avoiding FILE creation and the costs related to storage. Obviously, the times was improved without file writing/reading.

  Technologies: SNOWFLAKE, BDP (PySpark), Amazon S3Buckets, mainly Python code on Crawlers.

- **Administering databases: Global databases (2021/03 – 2022/06)**
  Mainly focused on backup standardization and restoring from/to DEV/QA/PROD.
  Main tasks executed in the project was on Brookfield, Edgewell, Energizer, Garmin, AstraZeneca.
  - Moving data between platforms.
  - Tunning/Improvements on query times.
  - Installations/Migrations, Patching/Fixing vulnerabilities.
  - Shutting down unused databases.

  I was improving the standards of backup/restoring databases between environments.

  I was updating documentation about installations, migrating and turning-off obsolete databases.

  Technologies: ORACLE/SQLSERVER/POSTGRE.

MallPlaza Chile   **Huechuraba, Chile (2019– 2020)**
Position: Data Engineer   **(Pandemic time)**

Principal Mall enterprise of Chile, the owner is Falabella Group, the malls contain cinemas and a lot of supermarkets, tipically food services and entertainment parks, hundreds of worldwide trademarks inside of the malls, like McDonalds, Burger King, Adidas, then the focus of the Analytical teams is understand the customer behavior, and the Tenants occupation and the people flows, in my case using the Parking data.

On this position I was on charge of Parking Data, but by Pandemic situation all the malls was closed a lot of time, then some projects was closed or suspended.

During this time I participated in the following projects:

- **Project: Parking Data Normalization and Dashboards (2019– 2020)**
  The principal focus of this was understand the flows and show those reports to the commercial areas to take decisions, and my first step is clean the RAW data, create INFO and validate with other sources.

  Main tasks executed in the related projects:
  - I was Cleaning/Moving/Improving quality data.
  - I created dashboards of all Commercial categories of the company to understand the flows by mall.
  - Counting and maintaining updated the Store info and trying to obtain the database updated with SAP info and other sources, focused on the Stores of the principal categories/brands by trademarks or commercial groups, like how many McDonalds we have by mall.
  - People Flow: Sensor's data (Spanish provider): Managing and reporting the information of stores and the people flow inside the mall, by floor/brand/store/month/mall/country predicting the future flow using line regressions and others (this was suspended by pandemic time).

  The principal goals were Maintain all parking data in one place BigQuery, detecting and informing the malls without data in SQLServers, and creating dashboard information of the flows in a graphic way on GCP.

  Technologies: Postgre, SQLServer, JAVA, Python, GCP, Bigquery, DataStage.

Walmart Chile   **Huechuraba, Chile (2013 – 2018)**
Position: Senior DBA - Microsoft   **(Remote 2 days on week at 2017)**

Principal Retailer of Chile, near 40% Share on supermarkets, worldwide company.
On this position I was on charge of all Microsoft databases and in some Oracles.

During this time I participated in the following projects:

- **Project: All projects that include DATA (2013 – 2018)**
  I was on near 20+ projects because the DBA and the DATA exist on almost every development project.
  Main tasks executed in those projects:
  - Being critical with the solutions, for example I was on the role to SAY NO if the system proposed by the developer teams is not being secure with data, of all supermarkets: LIDER, ACUENTA, EXPRESS.
  - Proposing solutions and moving the developer teams to the Walmart International standards on all new projects, using in some cases distribution, replications in different cities and with at least 4 providers on 24/7 roles on monitoring, and in I was on charge to prevent and solve database incidents.
  - Shutting down a lot of obsolete machines with vulnerabilities, like SQL2005 and ORACLE9 in 2015.
  - In some cases, helping the developer teams to improve queries and detecting bottle necks.

  Maintain all databases working well and adding value with high availability solutions like ALLWAYS ON.

  Technologies: Microsoft Parallel Datawarehouse, SQLSERVER, OLAP Cubes in MOLAP and ROLAP modes.

Walmart Chile   **Quilicura, Chile**
Position: CRM – Project Manager – GEO Analyst   **(2008 – 2013)**

During this time I participated in the following projects:

- **Project: GEO Tool – Google Earth (2013 – 2018)**
  Obtain GEO Reports, using the loyalty program data, only with a little demo I obtain a lot of resources of the Real State Manager to create a good smart tool to real state analysts to prevent CANIBALIZATION.
  Real State: Being smart on new openings, selecting the best zone of a group of possible projects, this occurs near 1 or 2 years before the store opens, my system can count the current customers on the zone selected by the Real State specialist, he only draw on his screen and click a button, my system obtain pre-calculated data and create a Excel and map with the detailed customer count and the money store by store.
  Customer Intelligence: some business decisions when some competitor will open a new store near of us.

  Main tasks executed in the project:
  - I was on charge to create all of this with from scratch, data model, programming demo, and deployment, I was on charge to select the correct provider and with a little team of 3 developers.
  - Creating the database of stores, using data of several business areas on Quilicura (Commercial) joined with the Data of the Huechuraba (Real State) I obtained a complete database with existing and future stores of the 3 principal trademarks.
  - Creating queries and Obtaining Pre-calculated data indexed with the Geo Locations.

  This is my best, complex and biggest system, 6.4+ millions of customers and 10+ TB in transactions of 3+ years of history of 500+ stores and 50+future store projects.

  Technologies: Teradata, JAVA, PHP, KML Standard, Google Earth, Google Maps, Informatica PowerCenter.

HDI Insurance   **Las Condes, Chile**
Position: Java J2EE / ORACLE Developer   **(2005 – 2008)**

HDI Insurance is a enterprise focused on Car Insurance, previous name was Aseguradora Magallanes and with multi-items contracts typed on black screens with white text and lot of keys and Tabs.
You can buy a policy with your Car and you Motorcicle on the same contract and any change on this is a endorsement, the principal difficult was the payment systems and we created a complete solution for this.

During this time I participated in the following projects:

- **Project: Policy Production System (2005 – 2006)**
  The focus is writing more contracts in less time.
  Main tasks executed in the project:
  - Design of a new web-based system, using J2EE enterprise patterns.
  - Build a responsive web application with AJAX and avoiding submit forms.
  - The user can create a new contract using previous data steps, using less fields can populate faster the form and save time, this increased the policy production.

  The major contribution was SAVE TIME and produce more policies and we created the renovation concept. Saving time of the internal typing people, and to the customer, they can obtain a contract at the same day.

  Technologies: JAVA, J2EE, Struts, AJAX, ORACLE.

- **Project: Sinister and Integration with oldest systems (2006 –2008)**
  This project was oriented on the accidents and their logs, on the first scenario and when some provider will fix the car, this was integrating with other enterprise areas.
  Main tasks executed in the project:
  - Integrate the Sinister system re-using the Production data, using XML in NO-RELATIONAL mode.
  - Populate the forms automatically when the user has some accident, improving the customer/liquidator views and times, choosing the next step to fix the car.

  The major contribution was with the car-providers integration and in second place with the mechanic's workshops when the customer has an accident and needs to repair the car.

  Technologies: JAVA, J2EE, Struts, AJAX, ORACLE.

EDUCATION

2000 – 2005	Computer Engineer	Universidad de Santiago de Chile
2008 – 2008	Project Manager	Universidad de Chile
2010 – 2010	SQL Server Courses	Quintec/Microsoft
2015 – 2018	Soft Skills, Mentoring/English	Walmart
2017 – 2017	Networking	Sonda/CISCO

LANGUAGES

Spanish: Native   **English:** Professional   **Japanese:** Learning

HOBBIES

Wind instruments	Robotics	Family
Flutes (a lot)	Arduino Cards	Beach with my wife
Saxo Soprano	Speech bots	Play Games with my children
Alto Sax	Joke bot (Python)	Cycling (alone)