



Francisco Vergara Sandoval

Data Engineer / Technical Lead
M.Sc. Computer Science

PROFILE

Experience in Data engineering using Python, and looking to bring more than 6 years of Business Intelligence and Data Science to develop new products and solutions.

As a data engineer, I have a wealth of experience and skills that I can bring to any organization. I am also very organized and efficient. I have strong problem-solving skills and I

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Citizenship: Colombian,
with residence permit until Sept, 2024..

LANGUAGES

- Spanish: Native
- English: English (fluent, C1 level, TOEFL IBT score 104:120)
- German: B1.2 Level

CAPABILITIES

- Team Skills
- Fast learner
- Strong communication skills
- Excellent computer skills
- Flexibility
- Attitude towards teamwork.

PROFESSIONAL EXPERIENCE

Software Technical Lead Govecs AG, Stuttgart, Germany 01.2020 - Present

- Responsible for the implementation, testing and deployment of the company's mobility sharing project (electric mobility rental app).
- Lead a team of 8 software engineers to meet business requirements and milestones for various projects.
- Responsible for the design and implementation of the data model and pipeline to obtain the MF4 files of approximately 30,000 IoT devices in order to analyze and find flaws in the performance of the scooters.
- Led a analytics team that implemented predictive vehicle maintenance that improved asset uptime by 15%.
- Scheduling Jobs and Monitoring Pipelines in Apache Airflow.

Lead Interconnection and Data Engineer Claro Chile S.A. 01.2018 - 09.2019

- Developed a new data architecture that increased the speed of data processing by 30%.
- Created dashboards and KPI, for data visualization that improved executive decision making by 20%.
- Managed a team of 6 data analysts and was responsible for their participation in various projects.
- Created a Python library to parse and reformat external vendor data, reducing data pipeline errors by 12%.
- Automated ETL processes for billions of rows of data, saving 120 hours of manual labor per month
- Avoid and predict fraud at the level of interconnections.
- Integrated data from multiple third-party APIs that provided data across multiple vendors to process semi-structured data by incorporating 100 million raw data sets from 14 data sources.



HOBBIES

Water polo player for 12 years.

I like to read, travel, play table tennis, bike, and I'm just learning to play guitar.



VOLUNTEER WORK

- Coordinator, Table Tennis Club, UCV.
- Organizer of the Computer Science Conference (JOINCIC), UCV, VE.



RELEVANT COMPETENCES

- SCRUM (Certified PSM), Agile Methodologies, Kanban, LEAN, Project Management.
- Python (Pandas, SciPy, Luigi, NumPy, Apache Airflow/API, pySpark)
- Advanced Excel
- ETL tools: Pentaho, Looker, Tableau
- SQL (Oracle, MS SQL Server), NoSQL
- Azure Platform Suite (Azure Synapse)
- AWS ecosystem (S3, Athena, Redshift, IoT Greengrass)
- GCP (BigQuery and Cloud SQL)
- DTB, Mozart Data
- Hadoop ecosystem
- Tableau, Power BI.
- Design and use of Python APIs (Flask, Django).



REFERENCES

- **Antonio Rueda Toicén**
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- **Mateusz Siwiaszczyk**
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Senior Data Mining Consultant

Telefonica Movistar Venezuela

01.2015 - 09.2017

- Large-scale data extraction
- Development and implementation of mathematical models.
- Coordinate DataMart development activities (data request, sources, and update schedules).
- Implement advanced analytics through standardization of methods, tools, and knowledge sharing to maximize team efficiency and impact.
- Implemented a data mining solution that reduced customer churn by 8%
- Used data mining techniques to improve campaign response rates by 15%

Senior Business Intelligence Consultant

Matrix CPM Solutions C.A

01.2013 - 12.2014

- Integration of ETL processes in Pentaho Data Integration with Tableau technology.
- Analysis and optimization of processes in Oracle 10g and 11g, and PL/SQL.
- Development of shell scripts for process automation of processes in Oracle 10g and 11g
- Creation of data extraction, transformation and loading processes using MS SSIS
- Created operational reports in Tableau to identify contractor improvement opportunities, resulting in \$250,000 in annual revenue increases.



ACADEMIC BACKGROUND

B.Sc. & M.sc. in Computer Science (specialization in A.I)

Universidad Central de Venezuela, VE

03.2007 - 10.2015

Bachelor thesis: "Web application for the management of the process of final theses of the Faculty of Biology".

Graduated with distinction in the community project