

Nathan Villegas Romanet

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PROFESSIONAL EXPERIENCE

Rappi
Data Engineer

Bogotá, Remote
Jan 2022- Present

- Worked together with data scientists to put into production a new version of the ranking of products in corridors. Optimizing the query, the ETL and making a new Airflow variable available for the model's parameters, improving the total add to cart by 5%.
- In support of Astronomer, we made available a new instance of Airflow (local and prod) in its latest version (2.3.2), migrating more than 100 DAGS. This allowed correcting the bugs of the previous versions and reducing failure alarms by 50%.
- Deployed a new version for a microservice coded in GO, to change the endpoint to a new one and monitored the deployment using Splunk tools for resources and logs and Amplitude for the business metrics. This change allowed us to update the logic of three important services of product personalization.

Rappi
Data & Analytics intern

Bogotá, Remote
Aug 2021 – Jan 2022

- Used SQL and ETL pipelines in Airflow to create and update new trusted tables that join with a Data Mart used by multiple teams.
- Maintained and refactored over 20 DAG sensors, reducing the failure alarms system in more than 100%.
- Worked in a project to migrate more than 40 tables and views documentation from Atlassian Confluence to the data warehouse (Snowflake) using the team BI Workflow.

EDUCATION

BSc Industrial and Commercial Engineering
Universidad San Ignacio de Loyola

Lima, PE
2020-2022

Relevant Coursework: Simulation, Probability and Statistics

BSc Industrial Engineering
Pontificia Universidad Católica del Perú

Lima, PE
2016-2018

Relevant Coursework: Calculus, Programming foundations

SKILLS

- **Programming Languages:** Python, SQL, Go, Visual Basic
- **Visualization Tools:** Tableau, Power BI, Matplotlib, Seaborn
- **Tools/Platforms:** Docker, Snowflake, Apache Airflow, Kubernetes, Splunk (Logs, APM, SFX)
- **SO:** Linux, Windows, macOS
- **CI/CD:** Jenkins
- **Version control:** GIT
- **Data & Miscellaneous Technologies:** A/B testing, ETL, BI Workflow (requirement analysis, build query and DAG, test in dev, pull request, merge), Amplitude, Atlassian tools, Excel, Slack
- **Spoken languages:** Spanish (Native), English (proficient)

CERTIFICATIONS AND SPECIALIZATIONS

- Specialization in ML and DL by DMC (in progress)
- Specialized program ML by Coursera (in progress)
- SQL for Data Science by UC San Davis
- Python for Data Science by IBM
- Advanced Power BI by DMC
- Business Intelligence SQL server 2019 by CIBERTEC
- Joining Data in SQL by Datacamp
- First Certificate Exam in English by Cambridge University