JULIAN ESTEBAN OLIVEROS FORERO

Phone:(+57) 300 355 33 91 - Email: julianestevanof@hotmail.com - **Projects Portfolio**

EDUCATION

Universidad de Los Andes *Jan 2024 - Dec 2025*

· Master's in Software Engineering (GPA: 4.65/5)

EPITA: École pour l'informatique et les techniques avancées *Jan 2022 - Aug 2022*

· Academic exchange in the Master's program in Data Science & Analytics. (GPA: 17/20)

Universidad de Los Andes *June 2018 - May 2023*

· Bachelor's Degree in Systems and Computing Engineering (GPA: 4/5)
· Minor in Entrepreneurship

WORK EXPERIENCE

Plenti *Sep 2024 - Present*

· **Back End Engineer**

- Launched the Plenti Card, achieving seamless integration with partner Pomelo in just 3 days, setting a record-breaking timeline for the fintech industry.
- Designed and implemented comprehensive testing strategies to ensure the robustness and reliability of the Plenti Card system.
- Developed microservices to improve the scalability, modularity, and maintainability of back-end systems.
- Refactored the system architecture to adopt a hexagonal architecture approach, improving flexibility, maintainability, and adherence to domain-driven design principles.

Treinta *Aug 2022 - Sep 2024   2 yrs 2 mos*

· **Semi-Senior Data Engineer** *Jun 2024 - Sep 2024   4 mos*

- Led the migration of the data infrastructure from Google BigQuery to Amazon Redshift, reducing billing by 50%.

· **Data Engineer** *Jul 2023 - Jun 2024   1 yr*

- Deployed and optimized scalable ETL pipelines for efficient data processing.
- Created robust data marts to enhance reporting efficiency and accuracy.

· **Business Intelligence Analyst** *Jan 2023 - Jul 2023   6 mos*

- Restructured the data pipeline to improve synchronization time between Google BigQuery and Braze by 60%.
- Deployed an ETL to retrieve Google reviews from Buckets and an API to display potential users in the app, sending alerts on Slack for bad reviews to improve the Google Play score.
- Integrated ChatGPT API to create personalized marketing communications for B2B clients.
- Utilized SQL to extract actionable insights, generate reports, and perform various data-related tasks.

· **Business Intelligence Intern** *Aug 2022 - Jan 2023   6 mos*

- Created user-friendly dashboards in Power BI and Metabase to meet organizational needs.
- Utilized SQL and Python to develop DAGs (Directed Acyclic Graphs) using Airflow for efficient ETL (Extract, Transform, Load) processes.
- Created a semantic layer for one of the monetized products of the company.
- Built tools to query company databases and APIs, updating information efficiently.
- Developed data marts to facilitate efficient data storage, organization, and retrieval for improved analytical capabilities and reporting functionalities.

Universidad de Los Andes   *Aug 2022 - June 2023   1 yrs 1 mos*

· **Software Research Assistant**

  - Developed and maintained the back-end of the professor portfolio project at the University of Los Andes using Typescript and Nest js, resulting in a 30% improvement in performance metrics.

  - The codebase was moved to the Java and Spring-Boot framework while meeting tight university constraints and integrations, reducing error rates by 20%.

  - Conducted thorough software unit test to ensure functionality and reliability.

  - Integrated the software architecture, allowing seamless use of Oracle Uniandes Academia databases and implementing caching techniques to reduce latency and database calls 40%.

Microsoft Learn Student Ambassador   *Jan 2021 - Feb 2023   2 yrs 2 mos*

· **Student Ambassador Beta**

  - Coordinated a virtual Cloud Bootcamp about Azure, lasting 2 days, featuring over 20 sessions and workshops, with approximately 200 participants in attendance.

  - Developed a Python script to generate certificates of attendance for events and automatically emailed them to 150 participants, streamlining the process.

Finance & Investment Club Uniandes   *Apr 2021 - Aug 2022   1 yrs 5 mos*

· **Member of Capital Markets**

  - Organized a three-month trading tournament for club members, promoting hands-on experience in financial markets.

  - Designed and implemented an algorithmic trading bot using MQL5 to identify stock market opportunities and optimize trading strategies.

TECHNICAL STRENGTHS AND INTERESTS

Programming Languages	: Java, Python, JavaScript, TypeScript, HTML and CSS, SQL, NoSQL
Software & Tools	: GitHub, Apache Spark/Airflow, Docker, Big Query, MongoDB, Oracle PostgreSQL, Node.js, Postman, Spring Boot, Nest.js, Power BI, Tableau, AWS, Retool
Soft Skills	: Organized, Time management, Teamwork, and Problem-solving
Languages	: Spanish (Native), English (IELTS Band Score 6), French (Basic)
Interests	: Finance, Web and Mobile Development, Data Science, Blockchain, AI

COURSES & CERTIFICATES

· Curso de Web Scraping: Extracción de Datos en la Web, Platzi	*Mar 2023*
· Apache Airflow Fundamentals Course, Platzi	*Mar 2023*
· Prompt Engineering course with ChatGPT, Platzi	*Apr 2023*
· Spark Fundamentals for Big Data Course, Platzi	*May 2023*
· GBI Blockchain Academy, Global Blockchain Initiative	*Jan - May 2022*
· Blockchain Basics, Coursera	*Jan - Feb 2022*
· Web, Coursera (University of Los Andes)	*Nov - Dec 2020*
· AI For Everyone, Coursera (Deeplearning.ai)	*Jun - Jul 2020*

ACHIEVEMENTS

· Attained third place in the EPITA Python Week competition.

· Honored for the best software project of the semester in the Software Development class of 2021-1.

PUBLICATIONS

· Oliveros, J., Sanchez, J. (2023). Artificial Intelligence Techniques Applied to Cryptocurrency Market Prediction.