



Juan Pablo Piemonte

INFORMATION SYSTEMS ENGINEER

CONTACT ME



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LANGUAGES

- Español (Nativo)
- English (Advanced - B2)

TOOLS

- Python, FastAPI, Javascript, Node.js
- React.js, Next.js, TypeScript
- SQL, OracleDB, MySQL, SQLserver
- NoSQL, DynamoDB, MongoDB
- AWS, EC2, Subnetting, IAM, CI/CD
- ETL Processes, Pandas, Numpy
- Llama-Index for LLM y RAG
- Functional Testing, Unit Testing and Integration Testing
- Scrum, Agile
- Git (GitHub, GitLab)

EDUCATION

- **Information Systems Engineer (CS)**
Technological National University (ARG)
Universidad Tecnológica Nacional - FRC
2017-2024
- **High School Diploma in Humanities and Social Sciences**
Gabriel Taborin School (ARG)
Colegio Gabriel Taborin
2010-2016

ABOUT ME

I'm a charismatic and proactive person who enjoys teamwork and learning from challenges. I thrive on facing new challenges, such as when I implemented large language models (LLMs) with no prior experience, quickly learning to deliver efficient and effective solutions. I have solid experience with databases and have worked on both frontend and backend development, with a stronger focus on backend. I believe that a great user experience and the value of an application start with effective data management. I like to lead by example, inspiring my teammates and fostering a collaborative environment where we can all grow together while leveraging our technical skills.

WORK EXPERIENCE

• Full Stack Developer

At **Bircle.AI** From Mar 2024 To Oct 2024

With experience in various areas, such as:

• Backend Development

Using Python with the FastAPI framework for endpoint development, business logic, data model validation, class and object management, dependency injection, API and webhook integration, using PyTest for unit testing, and implementation of Dockerized microservices architecture (to a lesser extent using Node.js and JavaScript).

• Frontend Development

Using TypeScript with React.js and Next.js to create reusable and easily modifiable components for implementing business logic and integrating APIs and third-party services.

• Infrastructure and Architecture

Using AWS as the primary service provider, from managing IAM credentials and EC2 instances to CI/CD pipelines and NoSQL databases (DynamoDB), proposing modifications to their implementation design and executing those changes.

• Requirements and Functional Analysis

Assuming responsibilities for analysis and design, working directly with the CTO and CEO to implement potential improvements and address product needs. I also take responsibility for implementing new solutions while leading less experienced team members.

- **Database Developer (SQL-BI)**

At CIDS UTN FRC From May 2017 To Feb 2024

With a variety of tasks and responsibilities, always data-oriented, such as:

- **SQL Development and DataBase Administration**

Using OracleDB and PL/SQL to develop stored procedures for automated queries, database resource management (DDL/DML), and the design and development of database structures. ETL processes in Python (using libraries like Pandas and NumPy) to feed databases and data warehouses, as well as building data pipelines in Oracle Data Integrator.

- **Business Intelligence Development**

Using Power BI for data visualization and creating high-value visualizations for client business needs, SQL for data consumption, and Python for simple data management scripts and ETL processes, while also conducting requirements analysis directly with stakeholders.

- **Backend Development**

Creating new endpoints for existing APIs using the .NET framework in C#, implementing stored procedures personally developed as a SQL Developer.

- **Functional Testing - QA**

Manual functional testing, test plan development, and knowledge of automation.

- **Functional Analyst (Internship)**

Writing use cases, refining requirements, and documenting projects and products.