

JUAN PABLO NAHUELPAÑ

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WORK EXPERIENCE



FullStack Developer (Professional Internship)

Mar 2023 - Apr 2023

AKZIO CONSULTORES LTDA.

Remote

Stack: Flask, PostgreSQL, SQLAlchemy, VueJS, Bitbucket.

- Ensure that the web application's CRUD integrates a document management system for various formats, such as .pdf, .docx, .jpg, etc., allowing the storage of 100% of the documents in the cloud.
- Modify the integrated role-based permissions system to add new user types and status parameters in requests, reducing unauthorized data leaks by 100%.



Duhovit SpA.

7 months

Remote

Data Analyst (Intermediate Internship 2)

Feb 2022 - Mar 2022

Stack: Scikit-learn, Matplotlib, Jupyter, Azure Repos.

- Collect customer inquiries and synthesize them into technical requirements for research.
- Develop a dictionary of variables for the main dataset, enabling 100% of the team to understand their meanings and relationships with other variables.
- Analyze incidents in the mining operation applying basic statistical techniques to analyze data (2,000 records), to identify patterns of interest to the client.
- Generate reports in presentation format to showcase the obtained results.

Python Developer (Intermediate Internship 1)

Sep 2021 - Jan 2022

Stack: Keras, FastApi, SQLAlchemy, MySQL, SocketIO, JQuery, Nginx Unit, Azure Repos.

- Design of a Gantt chart of tasks, including weekly progress meetings with the entire company team, 100% completed within the established deadline.
- Build a neural model for the projection of critical variables in the SX process, obtaining an accuracy level of 92% in the research environment and 66% in the production environment.
- Training models with historical data from sensors installed in the SX process was optimized using parallelism elements in Python and Linux, reducing times by 75%.
- Replaced the API Rest (Flask) → API WebSockets data communication system using FastApi and SocketIO which increased graphics fluidity by 40%.
- Set up API WebSockets service with Nginx Unit, on an AWS EC2 Linux.
- Implement a data collector using ETLs in Python and Linux Cronjobs, enabling the storage of 100% of the new data.

EDUCATION

Civil Engineering in Computer Science - Graduated at 2023

2016-2023

University of Los Lagos

Osorno, Chile

SKILLS

Programming

Python — Scala — SQL — Bash

Databases

MongoDB — Redis — PostgreSQL — MySQL

Cloud

Google Cloud — AWS

Tools

Git — Podman — Gradle — Maven

Languages

Native Spanish — English A2