

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, JavaScript, 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%.



Data Analyst (Intermediate Internship 2)

Feb 2022 - Mar 2022

Duhovit SpA.

Remote

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

Duhovit SpA.

Remote

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, Java, SQL, Bash, TS, JS.
Databases	MongoDB, Redis, PostgreSQL, MySQL.
Cloud	Google Cloud, AWS.
Tools	Git, Podman, Gradle, Maven.
Languages	Native Spanish, English A2.