

JUAN PABLO NAHUELPAÑ

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Software engineer graduated in 2023 with over 8 months of experience in professional development environments during my two internships. Focused on designing and implementing APIs, ML models, and databases. Strengths include conceptualizing client needs into solutions applicable to the product or service, ease of integration into development teams, and effective communication with colleagues and team leaders.

WORK EXPERIENCE



FullStack Developer (Professional Internship)
AKZIO CONSULTORES LTDA.

Mar 2023 - Apr 2023
Remote

Responsibilities

- Integrate new features and functionalities into the Backend and Frontend of an existing application for managing personnel requests.
- Propose and discuss solutions that foster best development practices in the application.
- **Stack:** Python, Flask, PostgreSQL, SQLAlchemy, Javascript, VueJS, Bitbucket.

Key Achievements

- I designed and implemented a data flow and file management system using Google Storage. This enabled users to upload, store, and delete files directly within the application, eliminating the practice of sending files via email. As a result, efficiency, document control, and user experience were enhanced.



Python Developer (Intermediate Internship)
Duhovit SpA.

Sep 2021 - Mar 2022
Remote

Responsibilities

- Research and build a neural model to project critical variables and implement it in the backend of a product for monitoring the solvent extraction process.
- Participated in a project called **CMP** (Compañía Minera del Pacífico), with the goal of analyzing incidents in the mining operation. Applied elementary statistical techniques to analyze data related to incidents (2,000 records) to identify root causes and generate reports on them.
- **Stack:** Keras, FastApi, SQLAlchemy, MySQL, Javascript, Ngnix, Azure Repos.

Key Achievements

- Promoted the adoption of the FastAPI framework for building the API, which allowed working with socket.io much more reliably than Flask.
- Modified the data communication system with the frontend, replacing Ajax communication with socket communication, resulting in increased fluidity in the graphs.

SKILLS

Programming	Python, SQL, Bash, Scala
Scala Libraries	Http4s, Cats Effect.
Python Libraries	Pandas, Matplotlib, Scikit-learn, PyTorch, FastAPI, Flask, SQLAlchemy.
Tools	Git, Podman, Ora (Project Manager).
Languages	Native Spanish, English A2.

EDUCATION

Civil Engineering in Computer Science.
University of Los Lagos, Osorno, Chile

2016 - 2023