

XILENA ATENEA ROJAS SALAZAR

Data and AI Engineer



[in atenea-rojas](#) [xilenAtenea](#)
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ABOUT ME

Aspiring Data Scientist with a strong background in data engineering and AI. Skilled in uncovering insights to solve complex problems and support decision-making. Proficient in Databricks, Python, and SQL, with experience in EDA, dashboards, and machine learning. Effective team collaborator, adept in agile methodologies, and fluent in both English and Spanish. Driven to learn, innovate, and excel in data-driven environments.

TECHNOLOGIES

- Python
- Databricks
- R
- PowerBI
- SQL
- NoSQL
- Apache Kafka
- Docker
- Spark
- Postman
- Azure
- AWS
- Shell Scripting
- Jupyter

LANGUAGES

- Spanish (Native speaker)
- English (C1)
 - EF SET Certificate
 - IELTS Academic:
 - Overall Band Score: 7.0, February 2025.

EXPERIENCE

Internship at Sonatype

Associate Software Engineer- Intern
Sep 2024 - March 2025

- Supported data-driven decision-making through in-depth analysis of datasets, dashboards, and predictive models in Databricks. Conducted Exploratory Data Analysis, evaluated key aspects of models, and provided insights to improve their performance. Ensured best practices in shared repositories and optimized database queries.

Key contributions:

- Designed impactful dashboards that transformed raw data into clear, actionable insights for stakeholders.
- Streamlined workflows by automating data pipelines, improving efficiency and scalability.
- Collaborated in an agile, cross-functional team to ensure iterative progress and successful delivery.

Project: Large Language Model

Universidad Autónoma de Occidente
2024 - Present

- Developed a prototype chatbot using a Retrieval-Augmented Generation (RAG) model to answer university-related queries, achieving responses in Spanish with Llama3.
- Fine-tuned the model for improved performance, despite limited resources.
- Successfully demonstrated the model's capability in addressing academic and procedural questions for students, teachers, and staff.

Technologies and techniques used:

- LLM model (Llama3)
- Ollama
- Langchain
- RAGs
- Fine Tuning

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SOFT SKILLS

- Assertive communication.
- Critical thinking and problem solving.
- Adaptability and continuous learning.
- Teamwork.
- Leadership.

REFERENCES

Marcel Ribeiro

Engineering Manager at Sonatype.

- [Gmail](#)

Jimmy Tai

Principal Data Scientist at Sonatype.

- [Gmail](#)

Jack Daniels Márquez Franco

Postdoctoral Researcher | University of Tennessee.

- [Gmail](#)

Juan Manuel Nuñez Velasco

Resesecher and Product Manager

- [Gmail](#)

STUDIES

Data Science and AI Engineering (Bachelor 's degree)

Universidad Autónoma de Occidente
2021-2025

- Data processing and cleaning (ETL) using tools like Python, SQL, Airflow and Kafka.
- Descriptive analytics with tools like PowerBI, Matplotlib, and Pandas.
- Advanced machine learning and AI concepts, including Scikit-Learn, LLMs and Fine-Tuning.

AWS Academy Cloud Foundations (Course)

AWS Academy.
2022

- Fundamentals of cloud computing, deployment models, service models, and key AWS features.
- Core AWS services: storage, compute, database, networking, and management services.

M320: Data Modeling (Course)

MongoDB University.
2022

- Data modeling concepts and design strategies.
- Creating efficient and scalable data schemas for MongoDB applications.

Leadership School (Course)

Universidad Autónoma de Occidente
2022

- Project: Time management workshop "Deje la corredera".
- Objective: Apply leadership skills by teaching time management techniques to a group.