

# Jorge Nacer

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## WORK EXPERIENCE

### 11.2024 - 04.2025

Senior Data Scientist

Leprcon, Hamburg (Remote)

- Architected data integrity pipelines for energy analytics
- Detected anomalies through statistical validation with Pandas and Statsmodels
- Applied hypothesis testing to mitigate technical and business risks with scikit-learn
- Translated statistical findings into actionable business recommendations

### 01.2023 - 02.2024

Senior Data Scientist

Walmart Chile

- Implemented MLOps strategies for customer analytics
- Automated multi-container Docker/Kubernetes pipelines on Vertex AI (GCP)
- Audited and operationalized machine learning models
- Developed monthly batch predictions for Customer Lifetime Value (CLV) models using LightGBM
- Optimized loyalty programs budget by using CLV models
- Maintained 99.9% data quality SLOs for sales dashboards via automated BigQuery SQL scripts and Cloud Monitoring

### 06.2020 - 12.2022

Data Scientist

Walmart Chile

- Developed LightGBM models to predict customer churn
- Engineered unsupervised learning models using K-means and DBSCAN for customer segmentation
- Conducted A/B testing with Statsmodels and SciPy and diff-in-diff to drive increases in marketing ROI

### 09.2016 - 02.2018

Software Engineer

Qservus

- Developed production-ready REST APIs with Django and SQL, and Elasticsearch for data retrieval.
- Web app maintenance with Django
- Implemented Webpay integrations using Celery and Redis for async processing
- Adhered to architectural design patterns for system maintainability and promoting team workflows with Git

### 03.2015 - 09.2016

Backend & Front Developer

Jumpitt Labs

- Developed backend solutions for fitness and retail platforms using Python (Django) and PHP (Laravel) and JavaScript (jQuery, Vue.js)
- Architected RESTful APIs using Django and Laravel, integrating SQL Databases
- Managed end-to-end deployment pipelines on AWS, utilizing EC2 and S3
- Implemented containerization with Docker and Git-based versioning to ensure high availability

## SKILLS

- AI/ML: Transformers | LLMs | RAG | PyTorch | Tensorflow | RNN | LSTM | XGBoost | LightGBM | Optuna | Causal Inference | Statistics.
- Data/Ops: GCP | AWS | Kubernetes | Docker | CI/CD | Terraform | Spark | dbt | Kafka | Vector DBs (ChomaDB) | ETL/ELT.
- Software: Python | SQL | C++ | FastAPI | Pydantic | Design Patterns | Pandas | Numpy | Polars | scikit-learn | Scipy | Git.
- Languages: English (C1) | German (A2) | Spanish (Native).

## EDUCATION

### Universidad Técnica Federico Santa María (UTFSM), Chile

Post-graduate coursework (Msc level)

2018 - 2019

- M.Sc. in Informatics Engineering
- Specialization: Machine Learning and Deep Learning
- Completed all advanced coursework and examinations
- Focused on scientific research and engineering theory

Informatics Engineering (Master's Degree)

2014

- Focus: Artificial Intelligence and Quantitative Methods
- Recognized as Master's equivalent via Anabin (Germany)
- 6-year Engineering degree from an H+ accredited institution
- Includes B.Sc. equivalent in Computer Science