



# Gonzalo Sanchez

 Software Engineer

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 sanchezgonzalo

## Personal Summary

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As a software engineer, I excel in architecting performance-focused solutions. I specialize in crafting robust APIs and automating mundane tasks. My approach prioritizes user-oriented, data-driven design to deliver simple yet effective solutions to complex problems.

## Professional experience

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Select Star *Backend Engineer* Jun 2023 - Dec 2023

- SCIM compliant Users API implementation
- N+1 queries optimization reducing API response times

AbstractAPI *Senior Backend Engineer (Freelance)* Nov 2022 - Feb 2023

- Enhanced development times set-up and experience by applying Docker.
- Boosted missing API data from 85 to 98% by integrating a third-party provider (Python, Django).

ShipHero *Senior Backend Engineer* Dec 2020 - Jan 2023

- Improved shipping stats app analytics query response times by 90% through utilization of Redshift.
- Developed a robust REST API for a workforce management app making managers save 50% time in leading people tasks (FastAPI, AsyncIO).

Mozio Group *Backend Engineer* Jan 2019 - Nov 2020

- Integrated the core API with third-party providers (Django, rest-framework, Postgres, Redis, and AWS).
- Optimized API response times through implementation of Celery and Redis.
- Designed and implemented a high-performance REST API for a car drivers app using MQTT and Redis.

Machinalis SRL *Backend & Machine Learning Developer* Jul 2016 - Jan 2019

- Microservice for payment status prediction (Flask, XGBoost, Scikit-Learn).
- Developed a high-availability REST API for a big data analysis app using Django and Elasticsearch.
- Analyzed and trained models for sentiment analysis and people topic detection using Clustering, Pandas, and Scikit-Learn.

Taller Technologies *Software Engineer* Sep 2015 - Jul 2016

VENG S.A. (CONAE) *Unit Engineer* Dec 2014 - Aug 2015

SIANA Systems *Embedded Software Engineer (Freelance)* Aug 2014 - Dec 2014

DTA S.A. *Software Engineer* Sep 2011 - Sep 2014

- Main developer of the Control Unit Software for the SAOCOM satellite (CONAE).

Compute Centre of the Exacts, Physics and Natural Sciences School *IT support & Sysadmin* Sep 2007 - Aug 2011

## Education

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Cordoba National University *Bachelor Degree: Computer Engineer* Dec 2004 - 2012  
Thesis: "Design and Implementation of an Embedded Developments Board for Education Purposes"

Kinetis K60 architecture and MQX(r) RTOS programming Workshop 2014

Teaching Assistant at Data Communications Course 2010 - 2013

## Technical Skills

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### Programming

- ✓ Python, C
- ✓ Django, Flask, rest-framework, FastAPI
- ✓ Postgres, MySQL, Redis, ElasticSearch
- ✓ AWS, Docker