

ASCENTIO

TECHNOLOGIES

Federico Joel Vergelli

Position: Software development and QA

CONTACT

- ▶ +54 9 3513482712
- ▶ fvergelli@ascentio.com.ar
- ▶ Argentina to the world

EDUCATION

- > Comp. Sci. Bachelor's (incomplete)
- > Python Programming - EducacionIT
- > Julia Programming - juliaacademy
- > Data Science - Juan Gabriel Gomila
- > Data Visualization Techniques
- > Geospatial Data Analysis - Gulich Institute
- > Accelerated Computing CUDA - NVIDIA DLI
- > Parallel Computing - juliaacademy

LANGUAGE PROFICIENCY

Languages:
Proficient in English
Native spanish speaker

PROFILE

Software developer specialized in quality assurance with solid knowledge in data analysis.

I have contributed to space missions such as SAOCOM, NAOS and SABIAMAR, involved in software development, quality control and performance optimization. My main tools are Python and Robot Framework, but I work with other technologies as well.

I have dedicated myself as a developer of automated tests for the analysis and continuous improvement of the performance of critical software components, as well as the development of simulation and support tools for them.

My preference for software development leads me to perform in-depth data analysis and implement creative solutions.

PROFESSIONAL SKILLS

Software developer specialized in quality assurance with solid knowledge in data analysis.

I have contributed to space missions such as SAOCOM, NAOS and SABIAMAR, involved in software development, quality control and performance optimization. My main tools are Python and Robot Framework, but I work with other technologies as well.

I have dedicated myself as a developer of automated tests for the analysis and continuous improvement of the performance of critical software components, as well as the development of simulation and support tools for them.

My preference for software development leads me to perform in-depth data analysis and implement creative solutions.



Federico Joel Vergelli

GENERAL SKILLS

- > Good research abilities
- > Curious on data
- > Critical thinking
- > Creative solutions
- > Collaborative capacity

WORK EXPERIENCE

2020-2022

SABIAMAR Project

DEV (Software development)

Responsibilities: As a member of the development team for the support segment of the SABIAMar Mission, I contributed to various programming activities, such as creating services in python for PMSS and DMSS systems, Automating CRUD operations for directory tree management within Redmine plugins, and developing support tools for massive operations on the previous mentioned systems. Technologies used: Python, Ruby, Ruby on Rails, PostgreSQL, and various Python modules (requests, pandas, SQLAlchemy).

In the Ground Segment of SABIA-Mar Mission, I collaborated on the development of services and simulators, using technologies such as Django, FastAPI, and various Python modules for creating endpoints and control options.

2022(April - May)

NAOS Project – TTT

DEV (Software development)

Responsibilities: Primarily focused on enhancing various services, including creating bash scripts for automating tasks with crontab and developing massive detection and publication tools for a DMSF platform.

2022(May - July)

SAOCOM Project

DEV (Software development)

Responsibilities: Developed a document generation service for the SAOCOM Mission support segment that automates the process of creating PDF documents from LaTeX templates, encoding the results, and uploading them to a document management system. Technologies used: Python, pypdf2, Jinja2.

2022-present

SABIAMAR Project

Software Development and Quality Assurance

Working as a developer and QA for critical internal software components. I have developed EGSe simulators, automated tests for critical hardware and software, and crafted automated laboratory tests for monitoring systems and infrastructure involved in mission-critical jobs.