

## About me

Computer Engineer. Software developer and data passionate with special care in end-user point of view.

## Skills

Programming Python, C/C++, Django, Flask, Rest-framework, Scikit-learn, Pandas  
Others Postgres, DynamoDB, Redis, ElasticSearch, AWS, Docker  
Languages Spanish, English

## Professional experience

- Dec. 2020 - **Backend Engineer**, *ShipHero*, Remote
- Jan. 2023
  - API backend development and support for shipping and delivery statistics app (Python, Flask, MySQL over Aurora RDS).
  - API backend for warehouse workforce manager app (FastAPI, AWS, AsyncIO, SQLAlchemy).
  - Backend developments, bugfixes and improvements for the core business app (Flask, AWS, SQLAlchemy).
- Jan. 2019 - **Backend Developer**, *Mozio Group*, Remote
- Nov. 2020
  - Integration with third-party providers API (Django, DRF, Postgres, Redis, AWS).
  - Backend for car drivers app (Django, DRF, AWS, MQTT, Redis).
- Jul. 2016 - **Backend & Machine Learning Developer**, *Machinalis SRL*, Cordoba, Argentina
- Jan. 2019
  - Microservice for payment status prediction (Flask, XGBoost, Scikit-Learn, Docker).
  - Web app for big data analysis (Django, DRF, Postgres, Docker, Elasticsearch, Jenkins).
  - Microservice for social networks sentiment analysis and people topics detection (NLP, Clustering, Python, Pandas, Scikit-Learn).
- Sep. 2015 - **Software Engineer**, *Taller Technologies*, Cordoba, Argentina
- Jul. 2016
  - Windows kernel driver with security purposes (C#, Intel Performance Monitoring Unit).
  - UAV control unit project (C/C++, BeagleBone Black, LPCExpresso, TI's TMS, MBED, RTEMS).
- Dec. 2014 - **Unit Engineer**, *VENG S.A. for CONAE*, Cordoba, Argentina
- Aug. 2015
  - Production and test responsible of aerospace equipment for the Argentina's National Agency of Space Activity.
- Aug. 2014 - **Freelance Software Engineer**, *SIANA Systems*, Remote (HQ San Diego, CA)
- Dec. 2014
  - Embedded software developer for home automation appliances (C, C++, Python).

- Sep. 2011 - **Software Engineer**, *DTA S.A.*, Cordoba, Argentina
- Sep. 2014
- Control unit for a satellite antenna according to NASA and ESA standards (C, 8051 Assembly).
  - Desktop applications for ground support equipment for an aerospace satellite (Python, C#, Labview).
  - General purpose embedded systems development kit (firmware and hardware design) (C, Freescale Kinetis Assembly, Ethernet standard, I2C, SPI).
- Sep. 2007 - **IT Supporter and Data Networks technician**, *Compute Centre of the Exacts*,
- Aug. 2011 *Physic and Natural Sciences School*, Cordoba, Argentina
- Implementation of a dedicated router for LAN/WAN (Debian OS, IPTables, Firewalls, Linux Network).
  - Migration of main building data network to a VPN separated network (Debian OS, VPN).

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## Education

- 2004 – 2013 **Bachelor of Computer Engineering**, *Exacts, Physic and Natural Sciences School (National University of Cordoba)*, Cordoba, Argentina, Final project: *An embedded system (hardware & software) for teach and multipurposes*  
Advisors: *Eng. Gustavo Parlanti and Eng. Orlando Micolini*

### Teaching

- 2014 **Teacher of Kinetis K60 architecture and MQX(r) RTOS programming Workshop.**, *Exacts, Physic and Natural Sciences School (National University of Cordoba)*, Cordoba, Argentina  
Computational Systems Course.
- 2010–2013 **Student Assistant at Data Communications Course**, *Exacts, Physic and Natural Sciences School (National University of Cordoba)*, Cordoba, Argentina  
Supervised Professional Practice: *Asterisk Server Implementation and Two Networks Interconnection Through IAX2*