



PEDRO MAGLIONE SARASIBAR

Nationality: Argentinian 

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Personal Statement

I am looking for a place to develop my professional career. I like to solve problems and tasks creatively. I enjoy learning about new technologies and resources that may be useful. I am charismatic, enjoy interacting and helping teammates, I believe that teamwork is a key part for achieving big goals.

I like doing full-stack development in PHP, .NET or Python.

I am learning about Artificial Intelligence and hoping to apply it in more projects.

Languages

- Spanish (Mother Tongue)
- English (High Level)
- Italian (Basic Level)

Experience

UNIVERSITY OF TRENTO / PhD Researcher

NOV 2018 - PRESENT, ITALY

<https://www.disi.unitn.it/>

- Technologies: Python, TensorFlow, Sklearn, SciPy, Keras

My current research area is the use of Crowdsourcing, Deep Learning and Reinforcement Learning.

The work involves the development of efficient python modules based on statistics to accomplish client requirements to get the best quality-cost trade-off in data labeling. This data is then used to train Deep Learning models for classification of text or images.

In order to be able to do this I took online specializations on Python. Statistics and Deep Learning.

GREENCODE / Senior Full-Stack Developer

AUG 2017 - OCT 2018, ARGENTINA

www.greencodesoftware.com

- Technologies: .NET core, MongoDB, Docker, Kafka, Redis, Shell Scripting
- SCRUM agile methodology
- GIT for versioning

I developed large-scale geolocated event tracking system for a device security company. The system should track several amount of GPS information of every device, for this we used a microservices architecture, MongoDB for storage and highly optimized tools such as Redis and Kafka to support the high traffic interaction.

All the modules were Dockerized and orchestrated with Kubernetes, also were intensively tested in guarantee the performance required.

As part of the SCRUM methodology I was assigned as SCRUM master to lead the team. Also I daily interacted with the clients defining the requirements and formally presenting advances after each iteration.

The technologies used were: .NET core, Redis, Kafka

HEXACTA / Senior Full-Stack Developer

MAR 2014 - AUG 2017, ARGENTINA

www.hexacta.com

- Technologies: Symfony2, ASP.NET, Knockout.js, TypeScript, MySQL, DB2, Javascript
- SCRUM agile methodology and Waterfall
- GIT for versioning

I participated as full-stack developer implementing different web-based and desktop systems.

- Loan Company: the project was for a loan company involving a frontend where users registered using social networks and backend system which analyzed and predicted possible loans for each customer. In this project we mainly used Sonata(Symfony2) and MySQL.

- Argentinian Ministry of Education: we developed a system for the administration of educational resources (from documents to students).

The system was mainly backend and supported high level of resources traffic. Within the web development I also did database normalization and optimization focusing in DB-query efficiency.

In this project we used Symfony2, Oracle DB/2 and Javascript.

- Insurance Company: I developed and did maintenance of a big insurance

company system. The system mainly managed customers and registered their accidents, allowing to keep track of it bureaucratic complex flow. The technologies used were ASP.NET, MySQL, Knockout.js and TypeScript.

- US bank: I was part of a large size project for a US bank. Every day work involved interacting in english with the team, solving bugs on the several different modules of the system and developing new requirements.

As part of the project I traveled to the client HQ in USA for the period of two months, in order to coordinate and develop new features.

As part of my role of Senior I taught and assisted other Jr and SSR teammates.

The technologies used: ASP.NET MVC, Winforms, Angular 1.4, SQL Server and Javascript

ARZION / Semi-Senior Full-Stack Developer

AUG 2013 - FEB 2014, ARGENTINA

www.arzion.com

- Technologies: PHP, CodeIgniter, MySQL, MongoDB, Sphinx, ElasticSearch, Javascript

- SCRUM agile methodology

- GIT for versioning

As a full-stack developer I was part of the main internal web project of the company.

I did maintenance, refactor and developed new features on the site, focusing in optimization and efficient utilities in order to get the highest performance, allowing the site to perform correct and fast against the millions of world visits.

I performed A/B testing of features in order to verify users acceptance. Also I did social-networks integration.

The web frameworks used were lightweight such as CodeIgniter and Phalcon.

In particular I worked in database optimization combining different relational and non-relational DBs: Mysql, MongoDB and Neo4j.

Also we used SphinX and ElasticSearch for searches indexing.

SNAPPLER / Junior Full-Stack Developer

SEP 2011 - JUL 2013, ARGENTINA

www.snappler.com

- Technologies: PHP, Symfony2, Ruby-on-Rails, MySQL

- SCRUM agile methodology

- GIT for versioning

I participated as full-stack developer several web projects for national and foreign clients from different areas.

- Pharmaceutical System: I was part of the project for management of a pharmaceutical company. The modules involved stock management, sales, suppliers, customers and employees. The main technologies used were Symfony2, Javascript and MySQL.
- Scuba Diving Centers: web-based system for management of a diving center from Spain. The system managed all events allowing users to register and pay using the website. The technologies used were Symfony2, Javascript and MySQL.
- Device Tracking System: the system allowed to track gps events of different devices in a map. For this I used Ruby-on-Rails, MySQL, Javascript and Google Maps lib.

Education

UNIVERSITY OF LA PLATA / Master in Computer Science

FEB 2009 - NOV 2017, ARGENTINA

www.info.unlp.edu.ar

COURSERA / Deep Learning Specialization

NOV 2018 - JAN 2019, TRENTO

The course is based on the Foundations of Deep Learning. Some of the topics are Neural Networks, Convolutional networks, RNNs, LSTM, Adam, Dropout, BatchNorm, Xavier/He initialization.

The technologies used are Python and TensorFlow.

Certification:

<https://www.coursera.org/account/accomplishments/specialization/LADGHN627SHF>

UDEMY / Python Specialization

NOV 2018 - JAN 2019, TRENTO

Python Specialization Online

Certification: <https://www.udemy.com/certificate/UC-LZCXA2N6>

Awards

Winner of Argentinian IT Young Professionals Award

<http://www.agencia.mincyt.gob.ar/frontend/agencia/convocatoria/375>

The objective of the award is to encourage entrepreneurship, formulating a project for the generation of a product, system, service or solution of information technology.