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Academic formation

• Electonics Technician at Instituto Pio IX.
• Upcoming Nanodegree in Data Analyst at Udacity.

Knowledge

Programming:

• Python programming, having used tools and libraries like multiprocessing, logging, numpy, sqlalchemy, cryptography, celery, django and flask among others.

• Backend services implementation, using tools like docker, ansible, aws (lambda, S3, EC2, IAM), apache, gunicorn, postgresql and ssh among others.

• In a much lesser degree, knowledge of Groovy, JavaScript, Bash, C and lisp

Management and coordination:

• Experience with remote and local, agile and traditional teams, having been in the roles of Scrum Master, Product Owner, and in leadership positions in non-agile organizations.

• Experience using tools like Jira, Phabricator, Trello, retrium and goReflect.

Electronics:

• PLC programming, having woked with CompactLogix and S7300/400 series of PLCs.
• Microcontrollers programming, having worked with Freescale HC08 and S08 series.
• Industrial control boards, PCBs, and plant diagrams design.

Languages:

• Studied English at the North American - Argentinian Cultural Institute (or ICANA, for it’s acronym in Spanish) reaching the Intermediate IV level. Good speaking and writing skills.

• Native Spanish.

Courses and training

- Scrum Alliance: Certified Scrum Master
- Coursera, HEC Paris: Building Your Leadership Skills
- Rockwell Automation: Factory Talk Historian and Metrics training
- Eaton – Moeller: Average and low voltage industrial installations

Job experience

Freelance python developer: September 2018 – Present

At the moment I'm working as a freelance python developer in small scale local projects, using Django, Docker and Django report builder, mostly hosted on bare metal instances or AWS EC2, using managed Postgres instances.

Mercado Libre: April 2018 – September 2018

At MercadoLibre, I had the chance to work on the Core Services department, within the Payment Methods team. There, I worked developing software, mostly in Groovy, and to a lesser extent in JavaScript, I resolved alarm conditions, using tools like NewRelic or Datadog, and resolved support tickets, using tools like Kibana, SQL and Jira.

Gran Pegaso: August 2017 – January 2018

In Gran Pegaso I lead the migration of the prototype of a quality control app to a productive platform. The chosen solution included a Django powered REST interface, storing relational and non relational information in a PostgreSQL database, deployed on both the production and non production environments with Docker and docker-compose.

It was also my responsibility to promove in the team practices as TDD, continuous integration, version control strategies, or any new procedure to improve the quality the product.

Personal development and entrepreneurship: February 2017 – September 2017:

During this time, I explored different ideas I wanted to turn into projects, in various domains including personal finance, ISO 9001, and 3D printing, that concluded with different degrees of success and failure.

Intive-FDV: September 2015 – January 2017

Scrum Master:

As Scrum Master. I leaded a 5 people C# team, in a project to index stocks market related documents, and build a search engine around it.

I also had the chance to facilitate ceremonies with other teams in the project, introduce and follow the ramp up of new members of most teams, and promote remote-workers friendly practices in the team.

Python Developer:

In this time period, I worked for the Distll project, aiming to build a platform for distributing curated content from social networks, and selling products associated to that content.

On the technical side, the project was built with a distributed architecture based on Celery and RabbitMQ, with a development environment based on Docker and production servers deployed with Ansible in AWS, and it implemented practices like continuous integration and code review.

Also, I got to work on a three people group that acted as the Product Owner, which gave me the chance to work closer to the business side, to translate those needs in actionable user stories.

CH2M HILL / HALCROW: Noviembre 2012 – Septiembre 2015

As Project Automation Lead it was my responsibility to research and implement the best software and practices to improve project delivery, provide better information, and increase collaboration between disciplines.

This are some highlights of my work at CH2M :

• Metrics design for sales department:

My objective with the team in the project automation department was to propose a workflow to gather information about the company's bidding, like time spent on a bid, bid size, expected return, and other data, to create reports providing information about effectiveness, efficiency, time to expected return ratio, etc.

• CH2M – Halcrow integration:

In order to improve the collaboration between the two companies, my goal was to implement and adapt document control, procurement and support procedures related to engineering software.

• ArcGIS server administration:

This responsibility consisted on deploying a SQL and ArcGIS server, define backup policies, and configure components like Active Directory, permissions, and Map Cache, to provide mapping services to an on site crew.

• ProjectWise administration:

Used as the main Document Control platform in CH2M, my tasks included user training, resources automation, permissions management, third-party access and workflow modifications.

• OpenFOAM implementation:

With the objective of increasing the portfolio of the water modeling area, I deployed an OpenFOAM modeling server, used trough remote access with ssh and XForwarding, to provide the water modeling group with an OpenMPI enabled system to run fluids simulations.

TECNET – May 2011 – November 2012

In Tecnet I worked in different projects for the Industrial Systems and Mining unit, on tasks as control panels design, PLC programming, and startup support.

Specifically, I worked on the following projects:

Minera Cerro Vanguardia – Made blueprints for the motors control board, electrical diagrams, layouts and DeviceNet architecture.

Alicorp Argentina Slurry project: Made the blueprints for the electrical control boards and supervised its construction on site.

Alicorp Argentina Big Bang project: In order to install a new control board for the an expansion of the soap production line, I was in charge of the project procurement, supervised the installation of the electronics components, provided support for the project startup, and was the client's main contact.

• Alicrop Argentina SV3 project: With the goal of expanding Alicorp's powders production line, I was in charge of supervising the installation of several sensors, actuators,and control boards, provided startup support, and I contributed code for the CompactLogix 1769 PLC and the PanelView 700 Plus HMI

Doña Inés de Collahuasi mining company Chile: Performed modifications to the programs of several Siemens PLCs S7300 and S7400, surveyed SCADA WonderWare licenses to provide upgrade paths and costs, and was the main client's contact for the on site tasks.

Minera Santa Cruz: With the objective of designing a new autotransformer starter, and present up to date electrical blueprints, I surveyed several control boards on site, and after that I worked in the design of the new autotransformer.

ELEBIOM – November 2009 – May 2011

- Home Care responsible (May. 2010 – May. 2011)

As Home Care responsible, I had to plan and execute maintenance tasks on equipment, schedule the replenishing of disposable materials and provide training on any equipment under my responsibility.

- Technical assistant (Nov. 2009 – May. 2010)

As Home Care assistant, I provided support to home care installations, and gained insight into the equipement and people involved in a successful implementation.

Sports and Hobbies

- Rowing
- Cycling
- TaeKwonDo ITF

Personal data

- Argentinian, born on November 1989
- Up to date passport and driver’s license