

Mariano Valdez

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Profile

My experience spans various fields, including programming, systems administration, cloud computing consulting, and research within an anthropological framework.

Currently, I serve as the Development Area Coordinator at Democracia en Red, an NGO that collaborates with governments, universities, and other public entities to create and implement digital tools that promote citizen participation and transparency in democratic processes. I am also part of the team at Reflejar, an organization where we work with and advise researchers, governments, and civil society organizations on the use and processing of data. Additionally, I maintain several open-source libraries, contributing to the continuous improvement of accessible and functional solutions for the community.

Throughout my career, I have built my knowledge through training in computer science from open-source development communities and various courses, as well as studies in accounting (UNSA) and anthropology (UNSA), with a specific focus on digital anthropology (IDES - UNTREF). This combination has enhanced my ability to tackle problems from multiple perspectives and shaped my understanding of both technological systems and social structures.

My interests lie at the intersection of these disciplines. My work focuses on the convergence of information technologies, Linux systems administration, data science techniques, public policies, digital ethnography, and research within open-source communities.

Work Experience

Programmer | SysAdmin - Reflejar

2022 - Act

Management of CI/CD procedures and distributed deployment. Programming, creation, and maintenance of digital tools for political and environmental impact projects through data science.

Kubernetes - Dash - Pandas - R Shiny

Development Area Coordinator - Democracia en Red

2021 - Act

Coordination of the Development Area. Management of CI/CD procedures and distributed deployment. Programming, creation, and maintenance of digital tools for citizen participation, transparency in democratic processes, and other political impact projects through data science.

Docker Swarm - React - Vue - Express.js - Pandas - Mongo

Software Developer | Cloud Computing - CLVR CLOUD

2021 - 2022

Design and implementation of infrastructures with Kubernetes across various cloud providers. Development of cloud-based software, a Kubernetes training platform, and CI/CD tools.

Kubernetes - React

Python Developer SR - Navent SRL

2021 - 2021

Development of the Tokko Broker software, a CRM system with connections to various publishing platforms. Primarily focused on back-end development.

Docker - Django - Sentry - Celery

Sysadmin - AdminSmart

2020 - 2022

Infrastructure manager in an interdisciplinary team. Development of software for administration, accounting, communication, and physical automation of urban entities. Integration with multiple related platforms (IoT, communication software, tax entities, payment collection entities, etc.). Field: Smart Cities.

Kubernetes - Docker - Django - Sentry - Celery - React - Postgres

Sysadmin | Full Stack Dev - AdminCU

2015 - 2020

Web developer and infrastructure manager. Development of management, administration, and accounting software for entities with associated members. Integration with various linked platforms (payment collection entities, tax entities, etc.). Developed a social network for the communities using the system.

Docker - Django - Mysql

Programmer | SysAdmin - Municipalidad de Salta & UEPE

2016 - 2017

Software development with a public sector team. Development of software for showcasing and geolocating public works for the Municipality of Salta.

Django - React

Full Stack Dev - KAS SA

2014 - 2017

Web development using various technologies. Development of software for registrations, administration, invoicing, and sales for companies managing events.

Django - React

Other Technological Activities_ _____

Co-creador de lib open source “pyeph”

2021

Data science library designed to simplify the processing of the Permanent Household Survey (Encuesta Permanente de Hogares, EPH) published periodically by INDEC in Argentina.

PyEPH serves as a centralized space for calculations related to EPH data, enabling its use in research, articles, publications, and more.

Live Coding | Sound Engineer

2021

Creation of audio synthesizers and algorithmic music composition, as well as soundscapes, both in real-time and deferred.

Education

Diplomatura en Seguridad de la Información 2024

UTN Regional Buenos Aires

Diplomatura - Por una antropología de los mundos digitales 2023

IDES - UNTREF - Antropología Digital

Licenciatura en Antropología 2017 - 2021

UNSa - Antropología

Contador Público Nacional 2011 - 2016

UNSa - Contabilidad