

# Robertino Martinez

Last Updated on 14th June 2024

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## WORK EXPERIENCE

### EDUCATOR | INPUT OUTPUT (IOG/IOHK)

2022-Present

- Create and deliver courses, hackathons, and training about Haskell, Plutus, and other Cardano-related technologies.
- Help to define best practices for smart contract development.
- Cardano developer advocate.

### ML ENGINEER | GOVERNMENT EMPLOYEE

2019-2020

- Hydrological and statistical analysis of the San Roque basin using Python and Pandas.
- Development and assessment of an artificial neural network model capable of predicting the response of the basin and the level of the San Roque dam up to 6 months in advance (TensorFlow, Python, QGIS).
- Development of a web application to effortlessly use the AI model for decision-making about the dam's hydrologic resources (React, TensorFlow).

### MOBILE APP DEVELOPER | FREELANCE

2017-2020

- Design and map out applications based on the needs and budget of the client.
- Develop and test multi-platform applications (Android and iOS) using Flutter (Dart, Swift, Kotlin).
- Provide tracking, quality control, and support to customers during and after product delivery.

### RESEARCHER | HYDRAULICS AND HYDROLOGY LABORATORY

2016-2017

- Collection and processing of hydrological data and generation of storm types (Python, R).
- Creation of a program for digitalization and processing of pluviographic strips and statistical analysis of storms.

## FORMAL EDUCATION

### NATIONAL TECHNOLOGICAL UNIVERSITY | CIVIL ENGINEERING (ARGENTINA)

2012-2020

- Academic average: 8.3/10.

### INDUSTRIAL INSTITUTE | MID-LEVEL MECHANICAL TECHNICIAN (HIGH SCHOOL)

2008-2011

## SKILLS

### TECHNICAL SKILLS

Blockchain • Haskell • Plutus • Flutter • Dart • JavaScript • TypeScript • React • Firebase • Python • Machine Learning

## ENTREPRENEURIAL EXPERIENCE

### ARQUIA | Co-FOUNDER & CTO

2021 - 2022

The company develops multiple projects in multiple verticals using different technologies. I am solely responsible for the technological aspect and partly responsible for the economic and operational aspects.

- Design and develop cross-platform mobile applications (iOS and Android) using Flutter (Dart, Swift, Kotlin).
- Design and develop back-ends using Firebase (database, auth, cron jobs, functions, etc.) and head-less WordPress (SQL, PHP).
- Design and develop Web applications.
- Automation systems and DevOps (Python).
- Setup and maintenance of virtual remote servers (CentOS and Ubuntu).
- Analysis of usage data, market, competitors, and various metrics to optimize products, decision-making, pivots, etc.
- Directing all product efforts: deciding what features get built, when they are prioritized, and how they're launched.

### CLIENTFLOWS | Co-FOUNDER

2021 - 2023

Client portal for small/medium businesses and freelancers.

- Design and develop the Web platform using React.
- Directing all product efforts (idem Arquia).
- Directing all marketing and operational efforts: Profiling customers, campaigns, analysis of market trends, usage data, competitors, and other metrics related to decision-making.

### EBCOURSES | FOUNDER

2020 - 2023

Platform that provides courses designed following scientific principles to maximize long-term retention.

- Design and development of different courses consisting of theory, practice, and active recall exercises.
- Design and development of an educational platform (React + Firebase + MailerLite API).
- Directing all product efforts (idem Arquia) and directing all marketing and operational efforts (idem ClientFlows).

### SEARCHFORME | FOUNDER

2020 - 2021

PDF reader with artificial intelligence capable of interpreting the contents, answering questions about said content, and showing the place where the answer is found.

- Development of a PDF viewer desktop application with an ANN capable of interpreting questions and finding the answer inside the PDF's contents.
- Directing all product efforts (idem Arquia) and directing all marketing and operational efforts (idem ClientFlows).

### SOFT SKILLS

Leadership • Resourcefulness • Initiative • Bilingual Communication (English and Spanish) • Pedagogy