Robertino Martinez

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WORK EXPERIENCE

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 simple web application for governmental engineers to effortlessly use the AI model for decision-making about the hydrologic resources of the San Roque dam (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
Proficient with:
Flutter • Dart • JavaScript • TypeScript • React • Firebase • Python • Machine Learning • Linux • HTML • CSS • Node.js
Familiar with:
Blockchain • SQL • PHP • Haskell • Plutus

SOFT SKILLS
Strong:
Leadership • Resourcefulness • Initiative • Bilingual Communication (English and Spanish) • Pedagogy

ENTREPRENEURIAL EXPERIENCE

ARQUIA | Co-Founder & CTO
2021 - Present
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 – Present
Client portal for small/medium businesses and freelancers (prelaunch).
- 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 various metrics to optimize the product and improve decision-making.

EBCOURSES | Founder
2020 – Present | ebcourses.com
Platform that provides courses designed following scientific principles to maximize long-term retention.
- Design and development of different courses, including "Web development for beginners." The courses consist of theory, practice, and active recall exercises.
- Design and development of a web platform capable of managing users and enrolling them in courses automatically (React + Firebase + MailerLite API).
- Directing all product efforts (idem Arquia) and directing all marketing and operational efforts (idem ClientFlows).

SEARCHFORME | Founder
2020 – 2021 | searchforme.app
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).