FERNANDO TIRELLI

email: fernando.tirelli[at]gmail[dot]com
phone number: +54 9 114979 5717
repo: **https://github.com/ftirej**
repo: **https://gitlab.com/fernando.tirelli**

I am a Senior Software Engineer and Software Engineer Architect and perform both tasks with great determination. Both to coordinate teams and manage projects using good practices and to develop applications using new technologies.

Over the years I acquired great knowledge in front end and back end technologies. I worked on high performance projects where code optimization plays an important role. Special skills and experience on startups.

Areas of Knowledge

- Real Time Software.
- Integrations with BPMN and DMN workflow on React UI.
- Experience in Apache Kafka import and transform 300M messages per day on a Big Data Environment.
- Experience in microservices communication via apache kafka message queue.
- Good knowledge of **new technologies** in general.
- Experience **leading** a team of 5 people on a fast-paced **startup**.

Professional Experience

Innen – CTO (August 2020 – 2021)

I am in charge of research and development (R&D) and making decisions about the needs of the business and our clients. I examine short and long term needs and help the organization meet the objectives.

Mercado Libre – Senior Software Developer (October 2020 – 2021)

Operations IT

Research and develop new functionalities in the Mercado Pago team in the operations area. This involves developing and maintaining stewards of internal user business rules, pricing, trade agreements, and payment methods.

Research and develop from scratch a new Processing Plan Software. This software incorporates and crosses information from all administrators to be able to make the best business decisions from one place.

Technologies: **React, Sass, Node, Go, Docker, BigQ, Mysql, AWS**

Tecnotree Corporation – Senior Software Developer (October 2016 – 2020)

DAP Dashboard UI

Digital Accelerator Platform (DAP) is Tecnotree's flagship digital platform solution that enables the business in custom service creation, business process definition and execution, API management, accessing several pre-built platform services including rules, notification, messaging search etc. DAP helps the customer realizing business processes in a digital way.

Technologies: **React, Redux, thunk, Material UI, Node, Express, MongoDB, Docker**

Real-Time Kpi Dashboard

The requirement is to create a KPI tracking dashboard that collects, groups, organizes, and visualizes the company's important metrics, providing a quick overview of business performance and expected growth. Managing the common Big Data Tools (**Apache Kafka, NodeJS, Cassandra**).
Actually, processing 300M messages per day.

Technologies: **React, Redux, thunk, Nodejs, Cassandra**

Shared Data Plan System

Shared Data Plan is Service Application to be on top PPIN (Prepaid System) in order to extend PPIN data functionality. PPIN has the package concept where each subscriber can be provisioned with a package which will give some amount of volume (bytes, Kb, Mb, Gb). The Shared Data Plan Service **architecture is based in distributed microservices** where each one is responsible for a specific function/work. The **microservices** communicate with others via **Kafka Message Queue** which provides a fast communication bus.

Technologies: **Nodejs, Apache Kafka, Kafka-node, Redis, Sybase, Docker, Swagger, Docker, Rancher**

Llamaway – CoFounder (November 2015 – November 2016)

Llamaway is the first website dedicated to lovers of adventure tourism in Argentina. Find adventures and excursions near you and plan your next trip.

Technologies: **AngularJS, Node, MongoDB, Heroku**

Freelance – (August 2013 – June 2015)

Software Project in conjunction with ANPCYT (National Agency for Scientific and Technological Promotion)
- FONSOFT for the design and construction of e-business website.

Technologies: **AngularJS, Nodejs, MSSQL**

Hardata Corp – R&D Chief and Software Engineer Manager (August 2010 – November 2016)

- Lead high performing software development team.
- Manage multiple projects using the SCRUM methodology.
- Collaborate across Product Management, Professional Services and Quality Engineering and other teams.
- Mentor, train and help grow an entry level engineering/QA team

Hardata Corp – Senior Software Developer (August 2000 – August 2010)

- Hardata Smart CHANNEL-IN-A-BOX - 1/2/3 Channels, Playout + CG, Ingest, Instant Play, Clipping, Time-Delay
- HARDATA SMART+: High-End Channel-In-a-Box platform that provides interoperability among current and new technologies and products.
- Video recording in SD/HD - SDI based band
- Playback and recording in SD/HD - SDI based band
- Storage & Media Asset Management
- Hardata Office: Content Management, Programming, CG & Branding, Remote Control
- Hardata IPlay: Audio for live productions, Audio Instant Play, Record, Catalog, Search
- Hardata hdx IPlay 3: Store, catalog, search, and broadcast audio clips instantaneously
- Hardata hdx Radio: Audio Management for Radio Networks, Record, Catalog, Search, Playout, Instant Play
- Dinesat Pro Radio 1O Radio station automation. Audio management, record, catalog, search, playout, Instant Play.
- Hardata Sync Audio & Programming distribution to remote locations via Internet, logs Retrieval

Education

2001 / 2005 – University of La Matanza
System Engeneer

1990 / 1996 – **ENET Nro 2 of Haedo**
Electronic Technician

Languages

English (advanced), Spanish (native)

Hobbies

- Football (soccer) fan
- Cooking