# Francesco Ferraro

# Software Engineer

#### **EXPERIENCE**

Proclivity Systems
Outsourced by BairesDev from April 2021 - Present
Frontend Leader & DevOps

Proclivity is a predictive analytics company that builds and operates electronic marketplaces spanning various industries but excels at the health sector. Here I am in charge of all frontend development and decision making. Architecturing solutions, writing code & instructing team members to achieve their full potential are my main requirements. I spend my days focusing on implementing micro frontend architecture across all the organization & helping coordinate devops processes.

<u>Technologies used</u>: Node.js, React, Micro Frontends, Jenkins, Docker, Server maintenance, AWS & AntD

Boticário

Outsourced by DYSIS from Set 2020 - Mar 2021 Senior Frontend Developer

Boticário is one of the leaders of the Brazilian cosmetic industry. Its business model is based upon having multiple independent resellers. There I have developed modern graphic based dashboards to help those sellers reach their maximum selling potential by providing key information in real time.

Technologies used: Node.js, React, Azure & AntD

## B2B RESERV@S Jun 2019 – Present Full-Stack Engineer

B2B helps big companies organize their employees' hotel expenses. I have built a fully featured checkout module to help the hotel clerk to charge the host's stay expenses. Consists of a React frontend using Apollo Client with MobX and a Java Backend using Spring whilst applying the GraphQL paradigm instead of Rest whenever possible. Both the frontend and the backend repos ran on docker containers on top of AWS Elastic Container Service through AWS

CodePipeline in order to provide an agile way to continuously integrate and ship the products.

<u>Technologies used</u>: Docker, AWS CodePipeline, AWS ECS, GraphQL, Java, Spring, React, MobX, Rest, GraphQL and Apollo

# Vnda Ecommerce Jun 2020 – Sep 2020 Front-End Engineer

Vnda is an e-commerce startup that focuses on building internet shops that focus on engaging the user with the brand. There I have built a checkout module for international clients making payment with PayPal. I have used a Express backend with a Next.js frontend all deployed as a single bundle to the Heroku platform though Github Actions to make integration and Deployment easier and faster

<u>Technologies used</u>: Github Actions, Node.js, Express, React and Next.js

# **D3** Jul 2019 – Jun 2020 Back-End Engineer

D3 is an outsourcing company. There I have worked solely for one of the major construction companies around Brazil called MRV. I have written multiple microservices to interface with legacy Microsoft products like CRM and Sharepoint; Have also implemented API's to interact with new Microsoft products like Identity Server. All those API were deployed on Docker containers on a Kubernetes cluster using Azure Pipelines to continuously integrate and deploy the products. My major task was to build a photo API to deliver and store all existing construction photos as well as new photos in order to allow customers to follow construction development over time. Another big part of the job was to deal with Database migrations, from legacy old MS SQL databases to other databases living on a Kubernetes cluster, where I wrote multiple Golang scripts to complete the task.

<u>Technologies used</u>: Docker, C#, Golang, SOAP, CRM, Azure Pipelines, Microsoft SQL Database, Identity Server, Sharepoint, XML and REST

# ONNi.live Jul 2016 – Jul 2019 Software Engineer

ONNi was a ticket sales startup that focused on nightclubs tickets as well as offering an easier way to purchase food and drinks while inside the venue.

There I have ported an existing initial backend written in Java to a couple of microservices all written in Golang using both REST and GraphQL paradigm. Have also developed a web client to enable customers to purchase their tickets on the web platform using multiple payment options. As well as a simple Android mobile app for the club staff to validate customer tickets that were in a QR Code format using Kotlin.

My biggest project on the company beside the backend itself, was a dashboard that allowed club owners to manage their sales in real time using WebSockets and Redis. I have also migrated the app's infrastructure from a couple of EC2 machines on AWS to a self managed Kubernetes cluster on GKE using Docker as the container engine. All the tech products on the ONNi organization were integrated and shipped using Docker containers through the CircleCl platform.

<u>Technologies used</u>: Docker, CircleCI, React, Golang, Redis, Websocket, DevOps, Kubernetes, Kotlin, AWS, EC2, GKE, REST and GraphQL

#### Tramontina / Ayga Contract work Mai 2020 – August 2020 Mobile Tester

Working for Ayga on behalf of Tramontina, an international player in the kitchen supplies industry, to test both Android & iOS native apps for the new smart cooking saucepan called "Guru". The apps were written using the Ionic hybrid model then compiled to netive mobile code using the Capacitor tool. Tests ran on real devices at AWS Device Farm using Appium and Webdriver.io on the Node.js Environment.

<u>Technologies used</u>: Node.js,lonic, Capacitor, Appium, Wedriver.io

### COMPLEMENTARY EXPERIENCE

#### Dobi

Open Source Oct 2016 - Oct 2018 Golang Developer

Dobi is a build automation tool for Docker applications. That helps one to keep your docker project tasks organized, portable, repeatable, and fast. There I have helped the Docker Engineer Daniel Nephin improve the tool that I have been using for years on my personal projects

# **EDUCATION**

# Pontifícia Universidade Católica do Rio Grande do Sul Bachelor's Degree in Software Engineering, 2017 - Enrolled

#### **UCLA**

Master's Degree in Construction Management, 2014

# Federal University of Rio Grande do Sul Bachelor's Degree in Civil Engineering, 2013

# **SKILLS**

- Golang
- Java
- C#
- React
- Kotlin
- Android
- Docker
- Kubernetes
- Node.js
- TypeScript