Rafael Figueira Gonçalves | MSc

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Italo-brazilian, 27 years old, married, full-stack engineer, automation and cat enthusiast.

Academic Formation

UEL – Universidade Estadual de Londrina   **Londrina PR**
Computer Science Master's degree   *2020-2023*

UENP – Universidade Estadual do Norte do Paraná   **Bandeirantes PR**
Computer Science Bachelor's degree   *2015-2019*

Cardiff and Vale College   **Cardiff UK**
A-Levels in Mathematics, Statistics, and Computing   *2013-2015*

Professional Experience

MartEye   **Galway IE (Remote)**
Node, React-Native, Next, Electron, and GCP   *2022-2023 (13 Months)*

MM Digital   **Curitiba PR (Remote)**
Node, React, Electron, and Browser Extension   *2021-2022 (18 Months)*

TARS Tecnologia   **Londrina PR (Hybrid)**
Vue, Knockout, and .NET   *2020-2021 (13 Months)*

Multiple Clients   **Brazil (Remote)**
Unity3D, Android Native, and React   *2018-2020 (24 Months)*

Fundação Araucária   **Bandeirantes PR**
Scientific Scholarship Projects   *2017-2019 (36 Months)*

Academia de Inglês Washington   **Bandeirantes PR**
English Teacher   *2016-2017 (12 Months)*

SetupJr   **Bandeirantes PR**
Vanilla Web and WordPress   *2015-2016 (12 Months)*

The Valleys Regional Equality Council   **Abercynon UK**
Web Design - IT Intern   *2012 (3 Months)*

Languages

Portuguese: Native (born and educated in Brazil).

English: Advanced (lived and studied for 4 years in the United Kingdom).

Italian: Advanced (lived and studied for 2 years in Italy).

French: Intermediate (lived and studied for 1 year in Switzerland).

Technical Skills

Programming Languages: JavaScript, TypeScript, Python, Golang, C++, C#, Java, SQL and AutoHotKey.

Technology List: Node, React + Native, Vue + PWA, Knockout, Jest, webpack, vite, Electron, Google Cloud, Firebase, MongoDB, PostgreSQL, Git, LaTeX, Regex, Unity3D, Chromecast, Chromium Browser Extensions, Containers, Airtable, and Arduino Micro-controllers.

NPM Packages: axios, express, moment, toggl-api, gojs, prismjs, @mui/material, @capacitor/android, @capacitor/core, vuetify, vuex@next, vue-router, vue-cli-plugin-electron-builder, vue-clipboards, ytdl-core, ytsr, googleapis, dateformat, @babel/polyfill, @projectstorm/react-diagrams, electron, eslint, speechyl, fuse.js, youtube-dl-exec, google-translate-api, i18n, react-router, react-redux, react-tooltip, console-feed.

Currently Learning: HTMX, R, Kubernetes, and P5.js.

Notable Projects and Interests

Academic Research in Software Engineering: mentored by PhD André Luís Andrade Menolli. The master's thesis and publications were focused on researching, proposing, and testing a Model-Driven Development approach, targeting Cyber-Physical devices. This research has produced a framework and a prototype tool which generates Arduino C++ source code from visual diagram editing.

Dozens of Personal Projects: Multiple archived projects, from VoIP tool, tourism apps, soundboards, to concept games, totaling 50k+ downloads on Google Play without any advertisements.

Participation in Developer Jams and Hackathons: Example: this project was developed in 8 hours for a LudumDare event: github.com/rzfzr/LD38.

Involvement in Open-Source Community: Interested in open projects, contributed to GitHub repositories, such as timgrossmann/InstaPy and 7eggs/node-toggl-api.

Innovation and Ownership Visions: During and after my graduation, I participated in entrepreneurship events, developing my own products with colleagues, one of theses projects has received state funding for startup stimulus, and won a significant money/mentorship prize at an innovation competition (Desafio Flex Inovação).

Multidisciplinary approach and interests: I have been immersed in multiple areas, not all intrinsically software-based. Such as 3D modeling, video editing, game making, beekeeping, pisciculture, machining, electrics and electronics.

Interest in Education: I have organized numerous workshops within university events and created educational tools. Additionally, I served as the student monitor for the programming class for a duration of two years.

Contributed to NASA's Space Place Prime: Assisted in the development and testing of the Android application.