Afonso **Raposo**

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Hello world!
I love learning new skills and working in exciting coding projects. I'm happy to explore cutting-edge technologies and dive into challenging problems. I take ownership of the projects I undertake, always striving to deliver the best results possible.

Experience

Present – Aug 2024 | **Senior Software Engineer @ Retain, Paddle**
Part of the Retain team at Paddle.
Paddle Retain is a product that automatically recovers delinquent churn and increases customer lifetime value, with optimized dunning emails to prevent and resolve issues.
I'm working with Django, Python, React and Typescript.
Python · Django · Typescript · React · SQL · Docker · Kubernetes · Grafana

Aug 2024 – Feb 2024 | **Senior Full Stack Engineer @ Payments Team, Prezi**
Lead exciting projects such as:
- Implementation of promotional codes
- Integration of Apple Pay and Google Pay
- Dynamically Scheduled Payments
- Partnership collaboration with Chegg

Responsibilities:
- Lead software development projects
- Ensure quality and scalability of code for 100 million users
- Develop high-quality software design and architecture
- Identify, prioritize and execute tasks in the software development life cycle
- All the below items

Feb 2024 – Apr 2023 | **Full Stack Engineer @ Payments Team, Prezi**
Responsibilities:
- Implement user-facing features (payment forms)
- Develop high fidelity functional prototypes to validate ideas
- Integrate new tools (payment gateways, fraud tools)
- Maintain and improve existing tools and services
- Collaborate with other cross functional teams to design and implement solutions best matching our customer's needs.

Awarded for "Innovation: Honoring engineers who come up with creative and innovative solutions"on September 2023.

Mar 2023 – Oct 2022 | **Full Stack Engineer @ Growth Platform Team, Prezi**
Responsibilities:
- Providing/supporting platform components to drive Sign-up/user acquisition
- Providing Engagement tools to Marketing, Support & Customer Teams
- Supporting Pricing & Packaging infrastructure to drive company growth
- Supporting Enterprise growth with user provisioning & account management capabilities
- Enabling monetisation growth by providing robust payment infrastructure and a seamless checkout experience to our users.

Python · Django · Typescript · React · Angular · SQL · Docker · Kubernetes · Braze · Zuora · Adyen · Grafana

Sep 2022 – Sep 2022 | **Biomedical Engineering Consultant, Kilo Health**
Consultation services regarding biomedical signal processing for the Cardi.Health team. Worked with Python and React Native. I developed ECG algorithms, debugged problems, and improved the performance of the mobile application.
Python · React Native · Typescript · IoT

Aug 2022 – Jan 2021 | **Head of Software, ScientISST**
Development of APIs for interacting with microcontrollers used for biosignals acquisition; a standalone Progressive Web App (PWA) that allows the acquisition, plotting, and recording of biosignals; and maintenance of the BioSPPy project, a Python toolbox for biosignal processing.
Flutter | HTML/CSS | Javascript | Python | Vue.js

Aug 2022 – Mar 2021 | **Research Fellow, AIMHealth Project - DSAIPA/AI/0122/2020**
Development of a mobile application focused in biosignals acquisition and telemedicine; and system administration of a VPS running dockerized servers.
Appwrite | Docker | Flutter | Linux | Nginx

Mar 2022 – Feb 2020 | **Mobile Developer, Semana da Bioengenharia**
Development of a mobile (Android/IOS) and web application using Flutter and Firebase.
Firebase | Flutter

Sep 2020 – Apr 2020 | **Research Fellow, e-CoVig - 255_596880547**
Development of a mobile application using Flutter for monitoring COVID-19 patients.
Flutter | Java

Jun 2020 – Jul 2018 | **Mobile Developer, TEDxULisboa**
Development of the TEDxULisboa 2020 event's application using Flutter and Firebase; and the TEDxULisboa 2019 event's using Java Android and Firebase.
Firebase | Flutter | Java Android

Education

2021-2022 (DNF) **PhD in Biomedical Engineering**, Instituto Superior Técnico, Lisbon, Portugal
2018-2021 **MSc in Biomedical Engineering**, Instituto Superior Técnico, Lisbon, Portugal
2018-2019 **Exchange Program - Erasmus**, Politecnico di Torino, Turin, Italy
2015-2018 **BSc in Biomedical Engineering**, Instituto Superior Técnico, Lisbon, Portugal

Skills

Programming Languages	Dart, Golang, Lua, HTML/CSS, Java, Javascript, Python, SQL, TypeScript
Frameworks	Django, Flutter, React.js, Vue.js
Applications & Tools	Android Studio, AWS, Docker, Firebase, Git, Grafana, Latex, NeoVim, Xcode
Languages	Portuguese (native), English (fluent), Italian and Spanish (beginner)

EXTRA

Cool Projects

Calendar Digest
2024-Present

calendardigest.com

My first Software as a Service (SaaS) project. This website allows users to sign up to weekly emails with the upcoming week events. It uses Google Calendar API to query users' events and then creates a Calendar Digest.

AWS | Golang | Javascript | Mantine UI | Postmark | React.js | Stripe | Supabase

MoneyPls
2024-Present

App Store

Money management app that allows users to track their expenses and manage their savings/investments.

Dart | Flutter | SQLite

buttons_tabbar
2020-Present

pub.dev github.com/afonsocraposo/buttons_tabbar

Development of Flutter package that implements a TabBar where each tab indicator is a togglable button. Used by 1.4k people and it has 78 stars on Github.

Dart | Flutter

Alfred GHRepos Workflow
2024

github.com/afonsocraposo/alfred-ghrepos

Alfred workflow that allows to quickly search and access GitHub repositories using fuzzy finding. It streamlines the process of finding and navigating to repositories, enhancing productivity and workflow efficiency

Golang | Alfred Worflow

Sense Web
2022

SENSE github.com/scientisst/sense-web

Development of a progressive web application using Vue.js that allows the acquisition of biosignals signals using a ScientISST Sense device and serial-based devices (e.g. Arduino). The application enables the live plotting and recording of time-series.

Chart.js | HTML/CSS | Javascript | Vue.js

ScientISST Sense Python API
2021-2022

PyPI github.com/scientisst/scientisst-sense-api-python Wiki

Development of an API that interacts with an ESP32-based device for biosignals acquisition. The API comprises Bluetooth serial communication, as well as wifi-based communication using TCP and UDP.

NumPy | Lab Streaming Layer | Multithreading | Python | Sockets

Flutter Icon Finder
2021

Website github.com/afonsocraposo/icon_finder

A website built using Flutter that helps users search through the available Flutter icons. Deployed with Firebase.

Firebase | Flutter

e-CoVig
2020

Google Play Store Website Video

Development of a mobile application using Flutter for monitoring COVID-19 patients using the smartphone as the core vital signs sensor. This project included the development of a specialized wearable, to which I also contributed, for measuring body temperature, heart rate, and blood oxygenation, and counted with the collaboration of multiple entities: National Health Service entity (Hospital de Santa Maria), two institutions of the national R&D system (Instituto de Sistemas e Robótica, and Instituto de Telecomunicações) and an SME (BrainAnswer).

Arduino | Dart | Flutter | Java Android