Carlos Neto

SOFTWARE ENGINEER

Portugal | carlos.saraiva.neto@gmail.com

Github: https://github.com/Saraivinha1703

Portfolio: https://carlos-neto.vercel.app/

LinkedIn: https://www.linkedin.com/in/carlos-saraiva-neto/

Youtube: https://www.youtube.com/@carlos-saraiva-neto/

Developer of MAYOM (Manage Your Own Money):

Application: https://mayom.app/

Documentation: https://docs.mayom.app/

Contributor to the pango-ui project:

A collection of UI components for Blazor based on shadcn/ui.

Site: https://kallebysantos.github.io/pango-ui/

Fork: https://github.com/Saraivinha1703/pango-ui

Skills & abilities

- Experience with .NET Core Web REST APIs development with Minimal APIs or MVC.
- Experience with Entity Framework Core.
- Experience with some design patterns: Dependency Injection, Repository, Singleton and able to learn and work with other patterns.
- Experience with .NET LINQ.
- Experience with JavaScript, TypeScript, HTML and CSS.
- Experience with Tailwind CSS and Nativewind.
- Experience with package managers like npm, yarn and pnpm.
- Experience with React, .NET Core MVC, Web Forms, Blazor Web Assembly and SSR, and Vite.js.
- Experience with Azure DevOps and Git workflow.
- Experience with REST APIs, JSON data, Axios and fetch.
- Experience with React Native and Expo in mobile applications.
- Experience with monorepo projects using yarn workspaces.
- Experience working with MongoDB using a .NET API with MongoDB.Driver
- Experience working with multiple layers projects.
- Experience with Docker containers, Docker Compose, Dockerfile and docker-compose.yaml.
- Experience with microservices using RabbitMQ as a messaging broker and MassTransit.
- Experience with Next.js as front-end project.
- Able to work with Python.
- Able to solve problems and find solutions.
- Able to work with relational databases queries (SQL Server, MySql).
- Good communication and teamwork.
- B2 English Level.

Experience

Lógica Colossal Unipessoal LDA   09/2024 - Present

MAYOM | Full Stack Developer

MAYOM (Manage Your Own Money) is a SaaS PFM (Personal Finance Management) multi-tenant and multi-currency. The front-end is made with React Native for mobile using Expo and ReactJs for web using Next.js as a front-end framework. The back end is being built with .NET Core 9 and MongoDB using microservices architecture and the services are made following Clean Architecture. All the services are made using Minimal API and the Repository pattern to access the database with MongoDB.Driver using a generic abstract repository.

We also use Docker containers to keep each service in a container, and they all communicate through RabbitMQ container. RabbitMQ is a free messaging broker and in each .NET container we have MassTransit which is .NET package that uses RabbitMQ to communicate between the other services, sending and receiving messages.

The project is hosted on an Ubuntu server on-premises, whenever there is an update on the project, we pull the services repositories from GitHub to the server and execute the Docker Compose, running all the services and making them available through reverse proxy, pointing the public domain to the public IP address of the server.

For this project we use git for version control and GitHub to manage all the projects, all the packages are uploaded to my profile, and the services source code are stored in the company's organization as private projects, with a main branch which is the production code and a dev branch which we use to develop and make branches from it according to the feature that is being developed.

Step Ahead Consulting   09/2023 – 08/2024

DGAV Candidaturas | Full Stack Developer

This project was made to manage the submission of formularies which validate farmer's animals' situation, to develop this application we used a full stack .NET Core 8 environment building the app with Blazor. In the back office we also have the management of users inside DGAV, that are separated by their roles. After the form submission, the information is validated by someone in the back office and the process is done. We used Azure DevOps with the Git workflow to develop this project.

Pedidos Online | Front-end Developer

This project was developed to handle the building area in Angola we used the build tool Vite.js for Web and React Native for mobile, but we also added Expo after some time. Through this application you could consult the certificate of a building, request that building and consult your requests and the properties that you have. This monorepo project was developed using yarn workspaces to share the code between the web and the mobile project to make the development faster, we also used Azure DevOps and the Git workflow.

Jurista Virtual Mobile | Mobile Developer

Application developed for law workspace in DGAV, with the goal to handle the internal processes, we used React Native to develop the application working with Azure DevOps, using the Git workflow, making branches from tasks and PRs when the task was done. The app consumes the data from a REST API and receives the data in a JSON format. In the application the managers can consult, approve and see documents related to the process and it is meant to validate these processes following a hierarchy, the process comes from a police officer making a form about some incident and ends on the validation of a fine by the direction of DGAV.

NinjaRMM | Full Stack Intern   **09/2021 – 12/2021**

During my last year in high school, I did an internship by Erasmus, a European program that gives good opportunities to students. I went to Berlin, Germany and work for a company called NinjaRMM, by the end of my internship it changed to NinjaOne. I worked for the marketing team collecting emails and phone numbers with webscrape and APIs. They needed a programmer because they had about 15 thousand leads to collect, which can't be done one by one. In the marketing workspace, they did not know much about programming, so I had to choose the best way to solve their problem on my own and I did it using Python with one program which got an Excel with the leads, searched their contacts through APIs and inserted the information in Excel.

Listo S.A | Jovem Aprendiz   **09/2019 – 02/2020**

Listo S.A is a Brazilian company that works with payment machines, I worked there through a government program "*Jovem Aprendiz*", which gives the opportunity to students work in companies and learn how they work.

Activities:

- Smartphones software configuration
- Internal support
- Equipment inventory organization
- Development of Excel tables using VBA

Education

Universidade Aberta (Uab), Licenciatura em Engenharia Informática 01/2024 – Present

Bachelor's degree in computer engineering, this course teaches how to design, analyze and specify complex problems regarding data. In addition to developing robust, efficient, and effective applications, it also enables the professional to demonstrate the ability to evaluate and test implementations, ensuring the quality, usability, and security of the processes.

Escola Secundária de Santo André, GPSI **09/2020 – 07/2023**

Professional high school course, Gestão e Programação de Sistemas Informáticos (Management and Programming or Computer Systems).

Certificates

Foundational C# with Microsoft – freeCodeCamp

Courses (Udemy)

C# Memory Tricks: Learn How To Master The Garbage Collector – Mark Farragher

Curso Web Moderno Completo com JavaScript + Projetos – Leonardo Mourao Leitao

C# Programação Orientada a Objetos + Projetos – Nélio Alves

Courses (Pluralsight)

ASP.NET Core Clean Architecture – Gleen Cleeren

GitHub Personal Projects

- Mobile app with multiple themes: Light, Dark, System and custom themes using Expo and Nativewind v4 - https://github.com/Saraivinha1703/nativewind-v4-multiple-themes

- AI chat using Next.js and AI SDK with free and paid LLM - https://github.com/Saraivinha1703/nextjs-ai-chat

- Pango UI Fork developing multiple open-source Blazor components - https://github.com/Saraivinha1703/pango-ui

- Mongo DB Repository - https://github.com/Saraivinha1703/MongoDBRepository