

Victor Guilherme de Oliveira Barreto

IT Technician / Systems Developer Analyst

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 V. Guilherme

 Passaport: GK412352  Driver Licence: A/B

Summary

Software Developer in training, with a focus on Backend and Mobile technologies. Seeking to apply academic foundation and experience in solving technical problems to contribute to software development projects.

Education

Instituto Federal de Ciência e Tecnologia do Mato Grosso do Sul (IFMS)

Information Technology (IT)

August/2023 - December/2025

Technology in Systems Analysis and Development

Instituto Federal de Ciência e Tecnologia do Mato Grosso do Sul (IFMS)

Electrical Engineering / Technological Sciences

February/2017 - July/2021

Integrated Technician in Electrotechnics

Experience

Três Lagoas Comércio de Informática LTDA

IT Technician

March/2023 - now

Tres Lagoas, MS - Brazil

Responsible for the diagnosis and repair of electronic devices, including laptops, desktops, and printers. Provide technical support to system clients, resolving operational issues and malfunctions.

ORBENK Administração e Serviços LTDA.

Administrative Assistant

February/2021- September/2022

Tres Lagoas, MS - Brazil

Carrying out administrative activities at the Federal Highway Police unit, including document processing, public service, and IT support for internal systems and equipment.

GUATOS Prestadora de Serviços LTDA

Receptionist

January/2021 - February/2021

Tres Lagoas, MS - Brazil

Ministério Público Estadual

Administrative Technical Intern

March/2019 - December/2020

Tres Lagoas, MS - Brazil

Experience in data entry, document preparation, public service, and IT infrastructure technical support. Assisting in maintaining the operational efficiency of the administrative department.

Languages

Brazilian Portuguese

Native

English

B1 certification per EFSET



Japanese

Beginner (self studied)



Projetos Desenvolvidos

Rosé

Class scheduling manager

[Almirante-Ming/Rose](#)

The application was developed during the academic period, with the objective of creating a scheduling application for sessions/classes, in which the administrator and instructors can schedule appointments and the student receives feedback on the bookings, being able to cancel or reschedule by providing a justification. It is written in TypeScript using React Native with Expo, with development assisted by AI.

TypeScript, React Native, Expo

July/2025 - now

Prosecco

HTTP Media Display Panel

[Almirante-Ming/prosecco](#)

Designed to manage content displayed across multiple screens with routing by local IP and screen groups, the operator can upload and assign supported media files, and determine which group of screens will display them. The screens are organized into groups that, by default, use self-explanatory names during creation to indicate their location. As a bonus, it also displays a real-time clock and a brief weather forecast updated every 10 minutes. The project's key differentiator was the limits established, which required significant optimizations ranging from storage to resource consumption, particularly network usage. The entire project was designed to run on a Raspberry Pi 3B connected to a television with the browser running in full-screen mode. IP redirection would automatically create a route for content to be displayed, without the need for client-side updates.

Python, Flask, SQLite, Raspberry

May/2025 - July/2025

Tinto

FastAPI backend for

Rosé app

[Almirante-Ming/tinto](#)

As part of the learning process, the backend was also developed to manage registrations, appointments, and process client requests. It is currently hosted on Vercel for testing and validation purposes with clients; however, it is ready to operate with Docker or be used as a pip package on the client's server machine.

Python, FastAPI, SQLAlchemy, PostgreSQL

January/2025 - December/2025

Lychee

Database processor for data extracted in CSV

[Almirante-Ming/lychee](#)

This is a toolkit with several modules to automate steps for preparing CSV tables for migration from a legacy system. For now, it includes simple features such as date formatting, invalid character replacement, decoding and encoding, verification of codes validated by public authorities, and a linter. It operates in CLI mode with full compatibility with Windows, Linux, and Mac. A graphical interface is still under development, with the aim of creating a native system application that allows users to easily select the corrections and checks to be applied and then track the entire operation through the log. This is intended to automate a process that was previously done manually and with a high incidence of human error. To facilitate development, the graphical version will likely use Java to improve compatibility and reduce environment-related issues, though this is still under analysis and case study.

python, shell, CSV, Regex