

Matheus L. Alves

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Education

Estácio de Sá University, Brazil

Apr 2021 – Sept 2025

B.Sc. in Computer Science

Calculus for Computing, Analytical Geometry and Linear Algebra, Probability and Statistics, Numerical Analysis, Artificial Intelligence, Data Structures, Advanced Algorithms, Data Modelling, Database Implementation, Distributed Systems Architecture, Cloud Computing and Computer Graphics and Image Processing.

Experience

Portalgov Solucoes Tecnologicas EIRELI

On-site role

Electronic Assembler

Sept 2024 – Feb 2025

- Designed application screens for a school agenda app using Figma.
- Application providing parents and guardians with real-time access to student's grades, activities, and attendance.
- Gained experience with the Postman tool, performing QA tests to identify vulnerabilities in this mobile application and its more robust desktop version, as well as detecting and resolving vulnerabilities on government websites.

L. A. Tec

On-site role

IT Support Technician Assistant

Sept 2020 – Oct 2021

- Assembly and repair of computer hardware.
- Repair and installation of Linux and Windows software, as well as configuration of basic and essential applications such as Excel, Word, and external hardware software such as printers.
- Repair and formatting of mobile systems.

Projects

StockFlow — *Enterprise Inventory Management System (React Native, TypeScript, Expo)*

Developed a complete mobile inventory management system focused on scalability and usability.

Key Features & Technologies:

- **Offline Data Persistence:** Implemented using **AsyncStorage** to ensure data availability without an internet connection.
- **Product Registration:** Integrated a **barcode scanner** via the **Expo Barcode Scanner API** for fast and reliable product input.
- **Analytics Dashboard:** Created interactive charts using **React Native Chart Kit** for inventory trends and insights.
- **Reports:** Generated downloadable and shareable PDFs with **react-native-pdf** and **print APIs**.
- **Data Import/Export:** Built Excel integration using **xlsx** library for smooth spreadsheet operations.
- **Low-Stock Alerts:** Developed push notifications with **Expo Notifications API** for real-time stock updates.
- **UI/UX Design:** Designed interfaces in **Figma** and implemented component styling with **TypeScript**, **Flexbox**, and **responsive design** principles.
- **Architecture:** Followed a modular structure for scalability and maintainability.

Personal Portfolio Website — *React, TypeScript, Vite*

Built a responsive portfolio website to showcase professional experience and projects.

Focused on accessibility, smooth animations, and a minimal aesthetic aligned with modern design principles.

Technical Skills and Courses

Frontend Development: React Native, JavaScript, TypeScript, HTML, CSS.

Backend Development: Python, Flask, Node.js.

Development Tools: Git, GitHub, Docker, Figma, Postman.

Courses: [Design of efficient, stable, and scalable algorithms](#) | [Analysis and resolution of complex problems](#) | [Proficient in Figma - UI Design](#) | [Algorithms and Programming Logic](#).

Languages Spoken:

- Portuguese | Native
- English | B2