José Victor Brito Costa

Software Developer and Data Scientist

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Professional Summary

I am a Software Developer and Data Scientist, graduated in Science and Technology from the Federal University of Maranhão. I have experience in web and mobile development (frontend and backend), using technologies such as PHP (Laravel), Vue.js, Flutter, Python, Java, Nest.js, JavaScript, and TypeScript. I work with relational databases (PostgreSQL, MySQL) and NoSQL (Firebase), REST APIs, microservices, data modeling, and version control with Git. I have strong skills in data analysis, creating interactive dashboards in Power BI, building KPIs, and extracting insights for strategic decision-making. I have participated in public health projects, from conception to deployment, and I am currently pursuing a second degree in Technology (Computer Engineering) at night, focused on artificial intelligence, machine learning, and the development of applied technological solutions.

Skills

PHP, Laravel, Vue.js, Flutter, Nest.js, Python, PostgreSQL, MySQL, Firebase, NoSQL, JavaScript, TypeScript, React, Git, R, Java, Spring Boot, Angular, RESTful APIs, CI/CD, Data Modeling, Data Analysis, Machine Learning, Power BI, Agile Methodologies, Deployment, Microservices, Web Development, Mobile, Full-Stack, Backend, Frontend

Professional Experience

Junior Software Developer – Internship   06/2025 - Present
Data Analysis and Artificial Intelligence Lab (UFMA)
Technologies: Python, React Native, TypeScript, Firebase, JavaScript, PostgreSQL, Git, GitHub, Linux

- Modernizing the Plandox software from a monolithic architecture to cross-platform microservices (desktop, web, and mobile).
- Full-stack development of modules using Python (backend) and React Native (frontend).
- Working with Firebase and PostgreSQL for data persistence and authentication.
- Using Git/GitHub for version control and continuous integration, ensuring collaboration and traceability.
- Implementing features for experimental planning, variance analysis, and residual charts to enhance user experience.
- Contributing to the implementation of machine learning models for biodiesel quality prediction and control.
- Participating in requirements definition and system architecture, aiming for scalability and usability.

Junior Software Developer – Internship   09/2023 - 06/2025
State Health Department of Maranhão
Technologies: PHP, Laravel, Vue.js, Nest.js, TypeScript, JavaScript, PostgreSQL, MySQL, SQL, Blade, Python, HTML, CSS, Git, GitHub, Linux, Apache

- Developed web applications for the health sector using Laravel (PHP) on the backend and Blade and Vue.js on the frontend.
- Designed relational databases using PostgreSQL and MySQL; collaborated on defining application architecture.
- Conducted requirements gathering and analysis with stakeholders to ensure solutions met their needs.
- Organized, distributed, and monitored team tasks using Agile methodologies: Kanban and Scrum.
- Maintained version control using Git and GitHub to ensure code traceability and team collaboration.
- Deployed and updated applications on Apache servers, ensuring system availability.

Software Development Project Monitor

Federal University of Maranhão

03/2024 - 07/2024

Technologies: Python, Git, GitHub, React, React Native, Java, TypeScript, Flutter, PHP, Kanban, Scrum

- Supported students in understanding software engineering concepts, architecture, agile development, and version control.
- Helped solve issues related to modeling, implementation, system testing, and programming best practices.
- Assisted in student projects and contributed to technical knowledge development in software development.

Commercial Analyst / Operations Support

Humana Saúde

05/2023 - 09/2023

Technologies: Power BI, Excel, Word

- Developed and maintained interactive dashboards using Power BI to visualize performance and sales indicators.
- Created seller rankings and integrated data from multiple sources to provide strategic insights and award recognition.
- Supported the sales team with data-driven decision-making, KPI creation, and campaign tracking.
- Provided consultative support to the sales team, clarifying operational and commercial questions about products and processes.

Education

Postgraduate – DevOps Engineering

Federal Institute of Mato Grosso

In progress | 06/2025 - Present

Emphasis on CI/CD, automation, infrastructure as code, containerization with Docker and Kubernetes, and agile culture.

Bachelor's in Computer Engineering

Federal University of Maranhão

In progress | 01/2021 - Present

Gained skills in programming, systems modeling, automation, databases, networking, and computer architecture.

Bachelor's in Science and Technology

Federal University of Maranhão

Completed | 01/2021 - 09/2024

Solid multidisciplinary foundation in mathematics, physics, computing, statistics, and engineering fundamentals.

Thesis: Hans+, a mobile app to assist in leprosy treatment (developed in Flutter and Firebase) — achieved top grade (10).

Languages

Portuguese – Native
English – Conversation
Spanish – Basic