José Victor Brito Costa

Software Engineer & Data Scientist

josevbrito.tech@gmail.com | +55 98 985007941 | São Luís, Maranhão, Brazil
linkedin.com/in/josevbrito/ | josevbrito.tech/ | github.com/josevbrito

Professional Summary

I'm a software developer with experience in web and mobile development (frontend and backend), using technologies such as PHP (Laravel), Vue.js, Flutter, Python, Nest.js, JavaScript, and TypeScript. I work with relational databases (PostgreSQL, MySQL) and NoSQL (Firebase), RESTful APIs, microservices, CI/CD pipelines, data modeling, and Git version control. I have a strong background in data analysis, creating interactive dashboards in Power BI, building KPIs, and extracting insights for strategic decision-making. I've participated in public health projects from conception to deployment and I'm currently pursuing a Master's in Computer Science with a focus on artificial intelligence, machine learning, and the development of applied technological solutions.

Work Experience

Junior Software Developer – Internship   06/2025 - Current
Data and Artificial Intelligence Laboratory (UFMA)

Technologies: Python, React Native, TypeScript, Firebase, JavaScript, PostgreSQL, Git, GitHub, Linux

- Modernizing the Plandox software by migrating from a monolithic architecture to a cross-platform microservices system (desktop, web, and mobile).
- Full-stack development of modules using Python (backend) and React Native (frontend).
- Data persistence and authentication with Firebase and PostgreSQL.
- Code versioning and continuous integration using Git and GitHub with a focus on traceability and collaboration.
- Integration of experimental design features, variance analysis, and residual plots to improve user experience.
- Implementation of machine learning models for biodiesel quality prediction and control.
- Active involvement in system architecture and requirement definitions for scalability and usability.

Junior Software Developer – Internship - State Health Department of Maranhão   09/2023 - 06/2025
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 healthcare sector using Laravel (PHP) for backend and Blade and Vue.js for frontend.
- Modeled relational databases with PostgreSQL and MySQL and contributed to architectural decisions.
- Gathered and analyzed requirements with stakeholders to ensure that solutions met business needs.
- Organized, distributed, and tracked team tasks using agile methodologies (Kanban and Scrum).
- Maintained code versioning and collaboration using Git and GitHub.
- Deployed and updated applications on Apache servers, ensuring system availability.

Software Development Project Mentor - Federal University of Maranhão   03/2024 - 07/2024
Technologies: Python, Git, GitHub, React, React Native, Java, Typescript, Flutter, PHP, Kanban, Scrum

- Assisted students in understanding software engineering concepts, architecture, agile development, and version control.
- Helped with questions regarding system modeling, implementation, testing, and programming best practices.
- Supported projects and contributed to deepening students' technical knowledge in software development.

Commercial Analyst / Operations Support - Humana Saúde   05/2023 - 09/2023
Technologies: Power BI, Excel, Word

- Developed and maintained interactive dashboards in Power BI to visualize sales and performance indicators, creating sales rankings and integrating data from multiple sources to support strategic insights and rewards.
- Supported the sales team with data analysis, KPI development, and campaign tracking.
- Provided consultative support to the sales team, answering operational and commercial questions about products and processes.

Education

Master's Degree - Computer Science
Federal University of Maranhão (UFMA)
In Progress | 04/2025 - Current

Focused on artificial intelligence, machine learning, software development, and applied research.

Postgraduate - DevOps Engineering
Federal Institute of Mato Grosso (IFMT)
In Progress | 06/2025 - Current

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

Bachelor's Degree - Computer Engineering
Federal University of Maranhão (UFMA)
In Progress | 01/2021 - Current

Acquired knowledge in programming, systems modeling, automation, databases, networking, and computer architecture.

Bachelor's Degree - Science and Technology
Federal University of Maranhão (UFMA)
Completed | 01/2021 - 09/2024

Built a strong multidisciplinary foundation in mathematics, physics, computing, statistics, and engineering fundamentals. Final project: Hans+, a mobile application developed with Flutter and Firebase to assist in leprosy treatment – awarded the highest grade (10).

Languages

Portuguese - Nativo
English - Avançado
Spanish - Básico