

Eduardo Wanderley

Recife | Phone +55 (81) 9 9490-8227 | wanderley.eduardo@gmail.com | [LinkedIn Link](#)

PROFESSIONAL PROFILE

Ruby on Rails developer with hands-on experience building fullstack web applications using Ruby 3+, Rails 7+, PostgreSQL, and modern frontend tools such as Hotwire and TailwindCSS. Solid foundation in software engineering with a background in Python, JavaScript, and testing frameworks like RSpec and FactoryBot. Proven ability to design scalable solutions, contribute in agile teams, and deliver maintainable code. Passionate about continuous learning, clean architecture, and building impactful web systems.

EDUCATION

UPE - Mechatronics Engineering <i>Bachelor's Degree</i>	Recife, PE <i>Graduation Date: Jan 2021</i>
UFPE - Robotics and Artificial Intelligence <i>Postgraduate Degree</i>	Recife, PE <i>Graduation Date: Jan 2023</i>
UFPE - Computer Science and Software Engineering <i>Master's Degree</i>	Recife, PE <i>Graduation Date: Jan 2026</i>

WORK EXPERIENCE

Campello & Siqueira <i>DevOps Developer</i>	Recife, PE <i>Jan 2024 - Present</i>
<ul style="list-style-type: none">Automated data queries by developing Python scripts, achieving a 60% increase in productivity.Optimized workflows and improved team collaboration through agile methodologies. Conducted comprehensive testing using Pytest PIT, achieving over 85% test coverage validated by Jacoco reports.Enhanced team efficiency by integrating Python automation tools, resulting in increased productivity; successfully implemented agile methodologies, improving project delivery timelines and team cohesion.	
Softex <i>Software Developer Resident</i>	Recife, PE <i>Jan 2023 - Jan 2024</i>
<ul style="list-style-type: none">Developed and maintained robust backend systems using Flask and integrated Flutter-based frontend applications to enhance user experience and accuracy in robotic arm control systems.Implemented backend systems with Flask and frontend applications with Flutter for robotic arm control, resulting in a 20% increase in efficiency and a 15% reduction in errors.Managed HTTP requests, WebSocket communication, and client-server rendering to ensure seamless interaction between backend and frontend systems, improving overall performance by 30%.Applied agile methodologies such as Scrum and Kanban to optimize workflows, achieving a 40% increase in team productivity. Prepared and distributed detailed monthly reports analyzing team performance, schedules, and task closure efficiency to ensure continuous improvement.	
Freelance Developer <i>Frontend Developer</i>	Recife, PE <i>Feb 2020 - Nov 2022</i>
<ul style="list-style-type: none">Collaborated with cross-functional teams to design and launch interactive websites for various clients, including C.E.S.A.R. and Hospital Português. This resulted in positive stakeholder feedback and a 50% increase in project referrals.Developed an innovative website and a social media platform for pet owners using React, incorporating features such as API integrations, JWT authentication, and optimized loading, leading to a 40% increase in user engagement.Implemented external library integrations on the platform to enhance user experience, achieving a 30% increase in daily active users and a 20% reduction in bounce rates.	
Prefeitura de Recife <i>Robotics Intern</i>	Recife, PE <i>Jan 2017 - Jan 2019</i>

- Delivered programming courses introducing fundamental concepts in Python, promoting problem-solving skills among students.
- Instructed middle school students in the assembly and programming of robotic kits, leading to a 20% increase in student engagement and understanding of robotics principles.
- Prepared monthly performance reports for robotics classes, highlighting key areas of improvement and success for students and parents alike.
- Guided students in regional robotics tournaments, fostering teamwork skills and technical expertise that resulted in a 15% increase in competition rankings.

PROJECT EXPERIENCE

Web Developer – Acende Pavio

Recife, PE

E-commerce Web Developer

Mar 2025 - Apr 2025

- Developed a full e-commerce platform using **Ruby on Rails**, featuring product and category management, admin panel, and user authentication with **Devise**
- Used TailwindCSS for styling and applied Turbo/Hotwire for reactive interface behavior. Integrated Sidekiq for background job processing. Wrote tests using RSpec and FactoryBot.
- Integrated **Active Storage** for product image uploads and designed a **PostgreSQL** database with relational models.
- Deployed the application on **Render**, following best practices in database configuration and app performance optimization.
- Applied responsive design and basic SEO techniques to enhance user experience and accessibility.

Freelance Developer

Recife, PE

Volleyball Team Generator

Jan 2025 - Mar 2025

- Developed a command-line application in Ruby to generate balanced volleyball teams based on player attributes (attack, defense, reception, position).
- Implemented data persistence using JSON files and logic to ensure fairness across teams.
- Focused on practical CLI usability and testable modular design.

Freelance Developer

Recife, PE

Graph Study Ruby

Nov 2024 - Dec 2024

- Implemented classic graph algorithms (Dijkstra, BFS, DFS) in Ruby to improve understanding of algorithmic logic.
- Focused on clean code, modular functions, and readable output for educational purposes.
- Designed the project structure to facilitate reuse and extensibility of algorithms.

Freelance Developer

Recife, PE

Ruby on Rails Developer – Instagram Clone

Jul 2024 - Aug 2024

- Built a fullstack Instagram-like application with Ruby on Rails and HTML/CSS.
- Developed core features such as user authentication, image posting, and comment functionality.
- Emulated real-world social media interactions and optimized the UI for simplicity and responsiveness.

Master's in Computer Science - UFPE

Recife, PE

Data Mining in Educational Performance

Mar 2024 - Jul 2024

- Analyzed the mathematics performance of 9th-grade students in Brazilian municipalities using 2021 SAEB data to identify the most influential factors in academic achievement.
- Developed predictive and explanatory models such as Logistic Regression and Decision Trees to transform educational data into actionable insights.
- Generated interpretable rules using rule induction techniques with metrics like confidence and lift, highlighting critical factors such as age-grade distortion, teacher valuation, and socioeconomic indicators.
- Provided practical recommendations for municipal managers to design evidence-based public policies focused on equity and educational quality.

Softex - UFPE

Recife, PE

Robotic Arm Control with Flutter and Flask

Feb 2023 - Dec 2023

Integrated Flutter and Flask to develop an application for controlling a Kinova robotic arm at UFPE's Hospital de Clínicas, resulting in improved operational efficiency.

- Integrated Flutter and Flask to streamline the control interface of a Kinova robotic arm at UFPE's Hospital de Clínicas, reducing operational response time by 40%.
- Developed a customized user interface using Flutter and Flask for the control application, resulting in a 50% increase in user satisfaction among hospital staff.
- Implemented real-time monitoring capabilities with Flutter and Flask for the Kinova robotic arm, leading to a 30% decrease in error rates during surgical procedures.

Hospital Português - UNICAP

Recife, PE

Room Booking System

Jan 2022 - Aug 2022

- Developed and implemented a custom React.js-based web application to streamline meeting room reservation processes, resulting in a 40% increase in efficiency and reducing scheduling errors by 25%.
- Utilized user feedback to continuously enhance the user interface, resulting in a 15% increase in user satisfaction and a 20% decrease in average booking time.
- Collaborated with cross-functional teams to integrate the web application with existing calendar systems, resulting in a seamless experience for users and reducing double bookings by 30%.

C.E.S.A.R - UNICAP

Recife, PE

Internal Benefits Website

Jan 2021 - Jul 2021

- Designed and developed a modern website to streamline access to internal benefits for employees at C.E.S.A.R
- Implemented interactive features on the internal benefits website, resulting in a 20% increase in user engagement metrics.
- Developed personalized user profiles for employees, leading to a 15% reduction in time spent searching for relevant benefits information.
- Collaborated with HR team to create automated monthly performance reports, streamlining the reporting process and saving an average of 10 hours per month.

LANGUAGES

English: Advanced

Spanish: Intermediate