

Matheus Azevedo Couto

Software Engineer - FullStack

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PROFESSIONAL SUMMARY

Software Engineer with full-stack and mobile experience, building web and app solutions focused on performance, scalability, and real-world impact. I have worked with **Ruby on Rails**, **React/React Native**, **TypeScript**, and **REST** integrations, delivering products used by thousands of users, with outcomes such as 500+ active users, 30,000 users/month, 50,000 pets served, a 60% reduction in analysis time, and a 40% reduction in field data collection time. Strong in **UI/UX**, system integration, and workflow optimization, with experience in **AWS**, **Docker**, and **CI/CD**.

PROFESSIONAL EXPERIENCE

RS Systems

Jun 2023 – Oct 2025 | Remote, Brazil

Software Engineer

- Designed a full-stack system for waste collection management in the Guanabara River, serving 500+ active users.
- Developed and maintained **REST APIs** using **Ruby on Rails**, ensuring 99.9% uptime and seamless integration with mobile applications.
- Created a reporting system with Excel export, reducing operational analysis time by 60%.
- Designed interactive dashboards and administrative pages using **HTML**, **JavaScript**, and **Bootstrap** for graphical data visualization.

RJPet

Jun 2022 – Feb 2023 | Remote, Brazil

Software Engineer

- Improved the digital experience of a platform with up to 30,000 monthly users, enabling the neutering of 50,000 pets through responsive and accessible interfaces.
- Designed user interfaces with a strong focus on responsive and accessible **UI/UX**, leveraging **HTML**, **JavaScript**, and **Bootstrap**.
- Implemented backend business logic with **Ruby on Rails**, optimizing component architecture and data flow.
- Collaborated on design and architectural decisions, driving continuous system improvements.

PROJECTS

Águas da Guanabara Mobile App

Mobile Software Engineer

- Developed an environmental impact mobile application using **React Native** and **TypeScript** to digitize field operations, eliminating manual processes and paper-based reporting.
- Designed intuitive and visually consistent interfaces with **React Native Paper**, enhancing usability and driving user adoption.
- Integrated the application with the platform's **REST API** via **Axios**, ensuring full real-time synchronization between mobile and web systems.
- Implemented **Expo EAS Update** for seamless over-the-air updates, reducing deployment friction.

- Streamlined the field data collection workflow, reducing data entry time by 40% and increasing operational efficiency.

SKILLS

Frontend: JavaScript, TypeScript, React, React Native, NextJS

Backend: Node.js, Ruby on Rails, Python, RESTful APIs

Database/SQL: PostgreSQL, MySQL

Cloud/DevOps: AWS S3, AWS EC2, Docker, CI/CD, Git, Github Actions, Vercel

Tools: Git, Jest, Linux

Methodologies: Scrum, Kanban

EDUCATION & LANGUAGES

Bachelor in Computer Science

Universidade de Vila Velha

Jul 2025 – current | Vila Velha, ES

Bachelor of Science in Nursing, GPA: 9.3

UniFAMESC

Feb 2019 – Dec 2022 | Bom Jesus do Itabapoana, RJ

Languages: English (Advanced), Portuguese (Native)