RAFAEL LEHNEN MEDEIROS

Software Engineer

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ABOUT ME

I'm a curious and dedicated Software Engineer with solid experience in systems development and automation. I focus on building scalable, reusable back-end solutions with Ruby on Rails, JavaScript, Java and Python, always applying clean, solid architecture and automation practices. I value high-quality code, teamwork and continuous learning.

EDUCATION

HIGH SCHOOL - STEM EXCHANGE PROGRAM — **North Broward Prep School - Florida, USA | 2023 – 2024**

- ***Programming Logic; Algorithms and Data Structures; Cybersecurity; Robotics;***

BACHELOR'S DEGREE - COMPUTER SCIENCE — **Feevale University - Novo Hamburgo, RS | 2025 – PRESENT**

- ***Programming Logic; Algorithms and Data Structures; OOP; Computer Networks; Information and Network Security; Computer Architecture.***

SKILLS

- Ruby on Rails, TypeScript, JavaScript, Java, Python, PostgreSQL, Redis, GitHub, AWS Lambda, Docker, NoSQL, Supabase, Edge Functions, Clean Code, Artificial Intelligence, Claude Code.
- Languages: Portuguese and English.

PROFESSIONAL EXPERIENCE

NEW BYTE SOLUÇÕES DIGITAIS — **Remote, BR**

Software Engineer — **06/2025 - Present**

- **Creation of a single authorization rule** in **Ruby on Rails**, reused across lists, counters, filters and the kanban board, so that **each team sees only its own conversations**, more securely.
- **Development of a Sidekiq job** with **Redis caching** and SSRF protection for link previews, tested at **10,000 links per hour**, so that **slow sites don't delay the main queues**.
- **OAuth2 integration with Guesty** in **TypeScript**, with **token caching** and a token issued only once, even under concurrent calls, so that **the product serves that system's customers** without exceeding the API quota.
- **Development of a sales module** in **React**, **Deno Edge Functions** and **PostgreSQL**, covered by **148 automated tests**, so that the sales team can **simulate, negotiate and generate the proposal in one place**.
- **Building process automations** with **JavaScript** and **n8n**, so that **manual processes are automated quickly and effectively.**
- Development of **AI-powered chatbots** with **Typebot** and **n8n**, automating customer service and **reducing the support workload by up to 60%**.
- **Development of a financial management platform** that brings all relevant client information into a **single place**, presenting the data clearly and **reducing the finance team's data-gathering work.**
- **QA of pull requests** written in Ruby and JavaScript.

DAKOTA CALÇADOS — **Nova Petrópolis, BR**

Software Engineering Intern — **09/2024 - 03/2025**

- Supported management and the team in **web application development**.
- **API maintenance** using **PHP**.
- **Code optimization** to improve **performance and scalability**.
- **Worked with multiple departments** to **analyze and adjust systems**, modifying or creating features.