



# Alan Facchini

Software Engineer

## 👤 Profile

Experienced Back-End Software Engineer with 20 years of IT experience. My expertise lies in solving problems, producing tests, refactoring, and creating clean and effective source code. I have strong Ruby on Rails and JavaScript skills and have a track record of consistently delivering efficient and robust software solutions. I am committed to continuous growth and always seeking opportunities to improve and add value to organizations.

## 💼 Employment History

### Software Engineer at InDebtet

August 2023

As a Software Engineer at InDebtet, I work on some products to support our customers in their journey to be debt free.

Key Highlights:

- Keeping and developing the payment portal to support the customer's payment journey.
- Keeping and developing integrations to support onboarding new customers and clients.

Stack: Event sourcing, micro-services (lambdas), Go, React, Docker, AWS, Buildkite, Stripe

### Backend developer at Consulta Remédios, Curitiba

November 2022 — August 2023

As a Software Engineer at Consulta Remedios, I work on some products to support our customers in their journey to buy medicine on our Marketplace.

Key Highlights:

- Building back-end Rest APIs to support new and existing product initiatives.
- Building test with RSpec.
- Analysis and development of new features, as well as revamping existing features.
- Participating in a multidisciplinary and self-managing team.
- In the team's day-to-day we use concepts from XP, Scrum, Kanban, and Agile.

Big Challenge:

There was a background job routine for offer synchronization across projects that were not completed even after running for 48 hours. At the beginning of the routine, an SQL query was fetching millions of records from the database, compiling them with new data, and then writing to another table. The query was reading records from the

## Details

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Nationality

Brazilian

## Links

[LinkedIn](#)

[Github](#)

## Skills

HTML & CSS

MongoDB

Node.js

MySQL

React

Docker

JavaScript

Ruby on Rails

Agile Methodologies

PostgreSQL

Kanban

SOLID

Design Patterns

## Languages

English

## Hobbies

Play video games, read comics, study new technologies, travel and discover new places.

database and paginating 100,000 records at a time. As it progressed through the pages, the query's performance degraded until it reached a point where the process timed out and couldn't be completed. I addressed the issue by parallelizing the offer processing. The algorithm first counted the total number of records needing synchronization. With the total count in hand, the algorithm calculated how many parallel jobs were needed to process the records in batches of 100,000. Finally, it scheduled a job for each batch of offers to run in parallel, each with its own SQL query. The process that previously couldn't be completed in 48 hours now runs in less than 4 hours.

**Skills:** Ruby on Rails · PostgreSQL · Agile Methodologies · RabbitMQ · JavaScript · MongoDB · Jira · RSpec · GitHub

### **Backend developer at Meta, São Paulo**

July 2022

Working as a software developer for Brazilian clients.

Allocated at Youse Seguros | Practice areas: Insurance policies.

Key Highlights:

- Building back-end microservices and Rest APIs.
- Analysis and development of new features, as well as revamp existing features.
- Participating in a multidisciplinary and self-managing team.
- In the team's day-to-day we use concepts from Scrum, Kanban, Agile.

**Skills:** Ruby on Rails · PostgreSQL · Kanban · Microservices · Agile Methodologies · RabbitMQ · Jira · RSpec · GitHub · React.js · TDD

### **Software Engineer at Asseinfo, Tijucas**

June 2009 — June 2022

▮ 12+ years of ERP systems experience.

Ruby on Rails backend since 2015.

React frontend since 2019.

Key Highlights:

- Utilized extensive ERP system experience to build and optimize back-end applications and front-end interfaces to support new and existing product initiatives.
- Developed scalable back-end services and REST APIs.
- Analysis and development of new features, as well as revamp existing features.
- Mentored new team members, providing guidance and fostering a collaborative and supportive environment for knowledge sharing and professional growth.
- Participating in a multidisciplinary and self-managing team.

Practice Areas:

ERP: Profound expertise in inventory, finance, billing, and production systems, enabling the creation of tailored solutions to meet specific business requirements.

**Skills:** TDD · Ruby on Rails · React.js · PostgreSQL · Git · Scrum · Kanban · Agile Methodologies · JavaScript · RSpec · Jest · Extreme Programming · Cypress.io · GitHub

## 🎓 Education

**Bachelor of Computer Science, Univali, Itajaí**

March 2000 — July 2008

## ⚙️ Courses

**RubyConf Brasil 2021, Locaweb**

July 2021

**React Conf Brasil 2020**

November 2020

**Agile Brazil 2014, Agile Alliance**

November 2014

**Clean Code and Clean Architecture, branas.io**

September 2022 — October 2022