Alan Facchini

SOFTWARE ENGINEER

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Details

Nationality
Brazilian

Profile

I am a full-stack engineer with almost 20 years of IT experience building high-performance software. 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 seek opportunities to improve and add value to organizations.

My passion for coding drives me to overcome any challenge.

Employment History

Software Engineer, InDebtet

August 2023 — May 2024

As a Software Engineer at InDebted, I work on some products to support our customers' debt-free journey.

Key Highlights:

- Kept and developed the payment portal to support the customer's payment journey
- Developed integrations to support onboarding new customers and clients.
- Contributed to building the platform's key features using Golang, JavaScript, AWS, serverless architecture, event sourcing, and CQRS.

Stack: Event-Driven Architecture, Distributed Systems, Go, React, Docker, AWS, Buildkite, Stripe

Full Stack developer, Consulta Remédios, Curitiba

November 2022 — August 2023

As a Software Engineer at Consulta Remedios, I work on some products to support our customer's journey to buy medicine on our Marketplace.

Key Highlights:

- Contributed to building backend Rest APIs to support new and existing product initiatives.
- Maintenance and creation of new components in the React and Vue.js front end.
- Analyze and develop new features, as well as revamp existing features using Ruby on Rails and Heroku.

- As a member of the innovation and integration team, coordinated efforts across multiple teams to foster collaborative development.
- In the team's day-to-day, we use concepts from XP, Scrum, Kanban, and Agile.

Big Challenge:

There was a background work routine for synchronizing offers between projects that needed to be completed even after 48 hours of execution. At the beginning of the routine, an SQL query fetches millions of records from the database, compiles them with new data, and then writes them into another table. The query was reading records from the 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 required 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 was not completed in 48 hours runs in less than 4 hours.

Skills: Ruby on Rails, PostgreSQL, Agile Methodologies, RabbitMQ, JavaScript, MongoDB, Jira, RSpec, GitHub, React

Full Stack developer, Meta, São Paulo

July 2022 — November 2022

Working as a software developer for Brazilian clients.

Allocated at Youse Seguros | Practice areas: Insurance policies.

Key Highlights:

- As a consultant, mentored the team in developing Ruby On Rails backend systems and Rest APIs.
- Maintenance of the company's micro-services
- Analysis and development of new features as provided for in the company's quarterly OKR.
- Participating in a multidisciplinary and self-managing team.
- We use Scrum, Kanban, and Agile concepts in the team's day-to-day.

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

Full Stack developer, Asseinfo, Tijucas

June 2009 — June 2022

As a Full-Stack engineer at Asseinfo, I work on a product that supports our customers' journey to selling products on our ERP.

Ruby on Rails backend since 2015.

React frontend since 2019.

Key Highlights:

- Utilized extensive ERP system experience to build and optimize backend applications and frontend interfaces to support new and existing product initiatives.
- Developed scalable backend services such as REST APIs and GraphQL.
- Contributed to building the platform's key features using Ruby On Rails, React, Redux, Heroku, MVC architecture, and Sidekiq.

- Provided technical guidance to new team members and fostered a collaborative and supportive environment for knowledge sharing and professional growth.
- Collaborated in a multidisciplinary and self-managing team.
- Worked alongside the infrastructure team to deploy the product in a highly regulated environment, utilizing CI/CD and Heroku.
- Participated actively in the migration of the front from Angular to React.

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, Redux, PostgreSQL, Git, Scrum, Kanban, Agile Methodologies, JavaScript, RSpec, Jest, Extreme Programming, Cypress.io, GitHub

Education

Bachelor of Computer Science, Univali, Itajaí

February 2000 — July 2008

Links

LinkedIn   Github

Skills

HTML & CSS	MongoDB
Node.js	React
Docker	JavaScript
Ruby on Rails	Agile Methodologies
PostgreSQL	Kanban
SOLID	Design Patterns
Golang	

Courses

RubyConf Brasil 2021, Locaweb

July 2021

React Conf Brasil 2020

November 2020

Agile Brazil 2014, Agile Aliance

November 2014

Clean Code and Clean Architecture, branas.io

September 2022 — October 2022

Languages

English

Hobbies

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