

Mateus Pereira

Senior Software Engineer

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Summary

- Developed Rails apps that improved state department's services
- Upgraded many very large Rails applications (1000+ models) from Rails versions as old as 3.2 to Rails 7
- Improved internal tooling to reduce Rails upgrade complexity and uncertainty
- Made modest contributions to Ruby opensource projects I really cared about

Work Experience

Systems Analyst

Detran CE (Mar 2018 - Dec 2020)

- Implemented a Rails app to control access to department grounds, integrating with an Android application and thermal printers to allow department staff to control what service a given visitor was going to perform and how long it took him to go through the whole process
- Reformulated the department's Android field operations application, allowing field agents to properly process drivers during their law enforcement efforts, implementing a better UI and integrating with all the department's backend APIs
- Developed a Rails app that allowed department staff to create customer satisfaction questionnaires for the different services available to citizens
- Upgraded 4 of our Rails applications from Rails 3 and 4 up to Rails 6, the most recent version at the time.
- Implemented CI/CD pipelines in Gitlab for these applications

Android Developer

Gaudium Global (Dec 2020 - May 2021)

- Implemented from scratch the company's NPS feature, creating a PHP microservice that integrated to their backend, and integrating that backend with the main mobile Android app.
- Modified and created screens for the new delivery service offering.

Senior Software Engineer

OmbuLabs (May 2021 - Present)

- Upgraded very large applications from Rails as old as 3.2 up to Rails 7
- Led Rails upgrade projects, mentoring junior developers and guaranteeing proper client communication as well as making the proper tradeoffs, delivering a finished upgrade with quality code improvements
- Developed new features for [Points](#), improving our workflow when estimating tasks and assessing effort during upgrades
- Wrote an Elixir script to classify RSpec failures, reducing amount of complexity and uncertainty around the time estimates for fixing a client's broken test suite after making their app run on their target next Rails version
- Improved code and client test suites as part of upgrade efforts, making them more efficient and eliminating false positives in passing tests.
- Assessed code complexity and amount of tech debt for Bonsai clients, giving them a clear picture on the improvements that could be made to the application, while also gradually moving their application to a more up to date state concerning their Rails version and their dependencies
- Gave back to the community in the form of code, documentation contributions and smaller maintenance tasks for opensource projects, like [reek](#), [ruby-lsp](#), [natalie](#) and others

Skills

- Ruby
- Rails
- HTML
- CSS
- Javascript
- HTMX
- CI/CD (Github, Buildkite, Semaphore, etc)
- Heroku and Fly.io
- PostgreSQL, MySQL and SQLite
- Elixir
- Phoenix

Education

B.Sc in Physics

Universidade Federal do Ceará - (2010 - 2016)

Professional Masters in Game Development

Unichristus - (2016 - 2018)