

Rafael Mendes

Fullstack Developer

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PROFILE

A Brazilian Software Engineer, well-rounded (+10 Yrs) in IT. You should expect a person with agile behaviour, design patterns in the mindset that loves Linux that will build user-centred design with proper documentation.

Started as a C/PHP5.2 dev, all my experience isn't related to a language, but towards new knowledge.

SKILLSET

C, C++, Shellscript, Java, PHP, Javascript, ES6 Jquery, Ext-Js, NodeJs

Magento I and II, Yii I and II, Zend I and II, React, Vue, Phantom JS

Mysql, Postgres SQL, Oracle and MongoDB and SQL Server

Git, Mercurial

LAMP, Docker, SSH, Cron, (X)Debug

Documentation Manager, SOLID, Agile Development (Scrum), REST Refactoring, Design Patterns, Data Warehouse ETL, Web Scrapping, Love for Regex.

Css, Sass & Less, Bootstrap 4, Typescript

Bitbucket, Github, Mantis, Jira + Service Desk,

SEO, Accessibility E-Commerce

VIM, NPM, Grunt

EDUCATION

Bachelor's degree: Information of Technology (2007 - 2011)
Instituto de educação superior da paraíba (IESP)

At this university, I could raise myself into a better programmer. I took part in multiple projects that used PHP tools (Study group team), 2D game developing (Firestorm team), Free Software Groups (GLUGPB & CETI). Also gadgets like Sunspot from the Sun Microsystems of which I was the ambassador at the university which inspired a lot of local TED talks.

EXPERTISE

Documentation

My virtual resume that's updated weekly, showing on each commit things what I am currently studying on about.strubloid.com

Shell-Scripting

As a very Linux-oriented person, I always try to make tools to help the team that I am working with, so as a good example, I have the .bash_aliases project. This project is a multi-platform project to organising the way to update aliases, its hosted on git.strubloid.com/bash_aliases

ACHIEVEMENTS

OSUM Leader (*Sun Microsystems / 2008-2011*)

I was the main event organiser in my university. Sun Microsystems checking IT university activities from João Pessoa made me OSUM Leader.

The project allowed me to work with their device and give lectures and talks on using it to help blind people to geo localise on the campus.

ENSOL III, IV and V (*Organization Leader / 2007-2011*)

I was one of the Gang of Four in this main event from my state Paraiba. We mainly called lots of representatives from the IT community (national and worldwide) to share knowledge about the free software community. With many targets, we could achieve:

- Growth of engagement with the Paraiba community
- Learn from inspiring expert leaders, like the creator of PHP, Rasmus Lerdorf or the creator of GNU Richard Stallman as only two good examples of many.

TED Talks

V ENSOL — Acunhador, my first free baby *TED Talk & Event Organizer (Brasil)*

This lecture was about a tool that I have created to fix a local issue at Dantel, to realise an on-the-fly import of javascript and css. I talked in front of 300 programmers, showing how to proceed when something similar happens. Explanation of the mindflow was shown with successful examples and also failures that I've found through the solution. It was a great way to share my knowledge, and a new partnership built that day.

IV ENSOL — Playing with freedom (free software) *TED Talk & Event Organizer (Brasil)*

A challenge made by the core group of ENSOL. With only four days of programming, planning and design to build a 2D game to demonstrate the effectiveness of Free Software. This experience confirmed the idea of community programming during the event, calling people to help to create a new game to learn about the subject. The lecture showed the result of the game, explained how anyone can build a game and how it is good to develop an idea with a community.

I Free Software Congress Paraiba Swamp — Choosing to be free as our software. *TED Talk (Brasil)*

I do feel that I helped my community that day. A group of 400 programmers from the countryside had issues with how they should approach Free Software. Mainly I talked

WORK EXPERIENCE

Magento I and II Developer (2019 - 2020)

Monsoon Consulting, Dublin Ireland

Full-stack position, I was responsible for:

- Support and development tasks on I and II Magento Platform for LFC Store, Central Bank, Mothercare, Woodies and Pallas Foods
- Quick response support for Liverpool Football Club Store and Woodies
- The primary support for bug analysis, creation of functionalities and being a channel for Central Bank of Ireland in Magento 2
- Developed a cron for fixing an issue with database full disk for Mothercare.ie in Magento 1
- Woodies Nosto integration, javascript debug with Nosto team plus suggestions on what they should upgrade on their tool
- Occasionally helping the communication team with support calls

Magento I Developer (2016 - 2018)

StudioForty9, Cork Ireland

Full-stack position, I was responsible for:

- Support and development tasks on the Magento Platform
- Develop extensions to integrate Magento with third-party systems and creation of custom Magento modules for client queries.
- Fix or create Front-end designs into suitable cross-browser compatible using SASS or LESS
- Provided SEO via Google SiteSpeed and others site speed analysers
- Developed Magento shell scripts with or without crons to grab information from a source and import into Magento database
- Accountable for good code practices, code review, pair programming
- Refactoring and scalable code plus guidance
- Responsible for maintaining the staging branches with Junior developers conflicts, e.g. re-create or fix stage branches with multiple merged branches

Senior Zend Developer (2012 - 2016)

Captura.Me, João Pessoa Brasil

Founder of the company, responsible for:

- Creating and developing software for a community of photographers in the Northeast of Brazil. Later on, turned into a base for the main branch of the Paraiba Photography association
- Collaborated with Zend Framework II (Beta Version), fixing the Mysql Rand implementation for a random order by.
The code was added by pull request 3017 (Fixing the problem with the order by and \Zend\Db\Sql\Expression #3017) on the source code in the Beta version of the Zend II, this fix was merged on the branch of Jan 04, 2013
- Answerable for installation of a git server in Captura.Me VPS on Dreamhost providing the most cost-effective solution at the time
- Code merge into the main branch, create new features and support of the code.
- Assisting the DBA team upgrading the DB Schema, fixing queries and refactoring the Zend II query builder that resulted in 33.3% faster rendering of the website

Zend I Developer (2011 - 2012)

Vox Technology, João Pessoa Brasil

Fullstack position, I was responsible for:

- Co-creating the program called SIGPlan using Zend Framework I, Mysql and features with JQuery asynchronous
- Development and management of the project's SIGPub and SigFacil

About my work environment tools, that were 100% Free Software, how they should approach with the English barrier, how to help our GNU/Linux community and how to get more support/contact with people or groups of developers through the worldwide community.

Ubuntu 10.04 launching — The three stones on my way *TED Talk (Brasil)*

This lecture is about the Ubuntu launch at the Recife IT University plus the result of my refactoring in the BGSD code speed.

Mainly I shared the importance of a Brazilian learning a new foreign language, how to utilise the correct tools, and show that it is possible to get unfinished research and use it as a base for refactoring that provided an award for the BGSD team. Broadcasted in the whole university plus the main room with 200 people, that was one of the days that I could feel the power of sharing and Free Software.

Brejoivre - Evolution of websites: Drupal the free gear *TED Talk (Brasil)*

This talk showed the differences between Drupal, Joomla and WordPress, recommending to use Drupal, due to their way of programming their modules. I was also able to start a Drupal group. As a bonus, I could share some hacks for Drupal

Yii/EXT-Js developer (2010 - 2011)

- using Zend I as well as SIGISS, built with an in-house framework
- SIGFácil, creating a lot of new features/extensions using PHP 5.3-5.4 and Javascript.
- Refactoring a significant change of the interfaces through all HTML templates and CMS pages using Regex

Dantel, João Pessoa Brasil

Fullstack position that changed me to become a full-stack developer, I was responsible for:

- Developing the E-Procurement Cotações e Compras using Yii framework as a backend, and an asynchronous html with Ext-Js
- Creation of tools, like an in-house javascript library to add javascript content and css on the fly for all Dantel projects
- Refactoring of PAS using factory, observer and singleton patterns
- Code Reviewer for Junior developers for the PAS project
- Answerable for significant bugs, debugging using PHP Xdebug and Javascript debug for the asynchronous part of the projects
- For some of the legacy code, protected from external uses, I had clearance to use SSH to access the system and using VIM as the main editor to identify/fix any issues

Java Developer Data Warehouse ETL (2009 - 2010)

DATAPREV, João Pessoa Brasil

Intern in a company that had all the Brazilian databases. This project was the most significant and rewarding project that I was a part of. I could use my skills to help my country, changing the reality from renting very expensive supercomputers to have an in house good star scheme:

- Participated in the BGSD (Unemployment Insurance Management Base), a project of the DATAPREV team, that I was responsible for grabbing filtered data resulted from SD project and make it work on the star schema using Java and Oracle;
- Answerable for a significant change to the largest database of Brazilian citizens, increasing the speed of 10000%, in plain terms, we had a batch of a thousand of employees data that changed from 0.01 seconds to 0.00001 seconds, what gained an award for the BGSD team
- Helped the project SD (Social Welfare - Seguro Desemprego) with advice and support for the new star scheme that provided knowledge to contribute to fixing errors of the database exchange

C and PHP developer (2007 - 2009)

PbPrev - PB social welfare, João Pessoa Brasil

The first internship that I had as responsibilities:

- Responsible for software in C that increases the speed of some old PCs connected to the intranet by 20-30%, utilising forks and exec native C functions, as well as support for internal IT
- Created a variety of tools to help communications and work process between the county's social welfare branches
- Responsible for the significant refactoring and expanding of the primary website (www.pbprev.pb.gov.br) using PHP and MVC structures