# Rafael Mendes

### Full Stack Developer

## Personal Info

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Citizenship: Brazilian

Date of Birth: 03 April 1986

Github: <https://github.com/strubloid/resume>

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## Languages

Portuguese, English and French

## Summary

Software Engineer with more than 10 years of well-rounded experience in LAMP development, object-oriented programming, design patterns, agile development and user-centred design. Starting out as a C and PHP 5.2 developer, I always moved towards new knowledge without limiting myself to my current skillset.

## Technologies

Magento 1

Zend Framework I and II

YII framework I and II

PHP 5.6-7.2

C and C++

Java

Javascript

Jquery

Ext-JS

Wordpress

Drupal

Mysql

PostgresSQL

Oracle

HTML 5

CSS

Sass

Less

Git

Mercurial

VIM

Teamwork

Mantis

Redmine

## Skills

Linux

SSH (Secure Shell)

Cron

XDebug

Refactoring

Objected-oriented programming

Design Patterns

Agile Development (Scrum)

Data warehouse

ETL (Extract, Transform and Load)

CMS

Code Reviewer

Github

Bitbucket

## Experience

## **Studioforty9,** Cork — *Senior Magento Developer*

### 2016 - PRESENT

* Responsible for support and development tasks on Magento Platform
* Answerable to investigate bugs using PHP Xdebug to catch them and fix
* Developed custom extensions to integrate Magento with third-party systems
* Implemented Magento modules to fix custom client queries. One good example was DID-electrical simple products being able to become a bundle product using the cross-sell items, that is activated by backend product option
* 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 structure
* Accountable for good code practices, code review, pair programming, refactoring and scalable code
* Helped with front-end tasks, making them cross-browser compatible using SASS and LESS
* Responsible for maintaining the staging branches with Junior developer conflicts, e.g. re-create or fix stage branches with multiple merged branches from the whole team, making a stage branch reliable to live results

## **Captura.Me,** Brazil — *Senior Zend Developer*

### 2012 - 2015

* Responsible for creating and developing a software for a community of photographers in the Northeast of Brazil, that later on turned into a base for the main branch of the Paraiba Photography association project
* 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 an installation of a git server in Captura.Me VPS on Dreamhost, providing the most cost-effective solution at the time
* Responsible for the code merge into the main branch, create new features and support of the code
* Assisted the DBA team upgrading the DB Schema, fixing queries and refactoring the Zend II query builder that resulted in a website being 33.3% faster rendering of the website

## **Vox Technology,** Brazil— *Zend I developer*

### 2011 - 2012

* Co-created the program called SIGPlan using Zend Framework I, Mysql and features with Jquery asynchronous
* Developed and managed the project's SIGPub and SigFacil using Zend I as well as SIGISS, built with an in-house framework
* Responsible for the SIGFácil, creating a lot of new features/extensions using PHP 5.3~5.4 and Javascript
* Responsible for refactoring a major change of the interfaces through all HTML templates and CMS pages using Regex

## **Dantel,** Brazil— *Junior Yii developer*

### 2011 - 2012

* Developed and managed the E-Procurement called Cotações e Compras using YII framework I as a backend, EXT-Js with HTML to get asynchronous calls in frontend part of it
* Created an in-house tool to add javascript and css on the fly to Dantel projects
* Responsible for a complete refactoring of the PAS system using factory, observer and singleton design patterns
* Code Reviewer of any code from Junior developers for the PAS project
* Answerable to investigate bugs using PHP Xdebug to catch them and fix, as well Javascript debug for the asynchronous part of the projects
* For some of the legacy code, protected from external uses, I was responsible to use SSH (Secure Shell) to access the code, using the command line with VIM as the main editor, I was accountable to identify/fix any issues

## **Dataprev - Brazil Social Welfare,** Brazil— *Java developer - Data Warehouse ETL*

### 2009 - 2010

* The biggest and rewarding project that I was in, as I could use my skills to help my country Brazil changing the reality(paradigm) from renting very expensive supercomputers to store the whole Brazilians employees database to buy good computers resulting millions of Reais saved for my nation;
* Participated in the BGSD (Unemployment Insurance Management Base), a project of the DATAPREV team that was responsible to grab filtered data resulted from SD project and create a data mart schema in order to develop a data warehouse star schema using Java and Oracle;
* Answerable for a major change to the largest database of Brazilian citizens, resulting in an increase of 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 help to fix a few errors of database exchange;
* Helped to design creative headers for the in-house data program called Netuno an in-house java application.

## **PB Prev,** Brazil— *Internship C and PHP developer*

### 2007 - 2009

* Responsible for creating and maintaining a 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 workers from the Campina Grande branch, and the main service in João Pessoa;
* Responsible for the major refactoring and expanding of the primary website (www.pbprev.pb.gov.br) using PHP and MVC structures;
* Participated in the team that fixed the problem of the worm Conficker in all PCs on the PBPrev

## Education

## **IESP,** João Pessoa - Paraíba — *Bachelor in Systems of Information*

At this university I could raise myself into a better programmer, I was part of a lot of different projects that evolved PHP tools(Study group team), 2D games developing (Firestorm team), free software (GLUGPB - Paraiba GNU/Linux group) and also gadgets like Sunspot from the old Sun Microsystems of which I was the ambassador at the university which inspired a lot of local TED talks and new knowledge about how to become a better programmer.

## Achievements

## **V ENSOL** — *Acunhador, my first free baby (importing javascript and css files at runtime)*

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 200 programmers, showing how to proceed when we find an issue like this, explaining my train of thought and all the failed attempts along the way to a cross-browser solution. It was a great way to share my knowledge and quite a few partnerships were built that day.

## **IV ENSOL** — *Playing with freedom (free software)*

A challenge made by the core group of ENSOL: Only 4 days of programming/planning/design to build a 2D game to demonstrate the effectiveness of Free Software. This lecture demonstrated the idea of community programming during the event, calling people to help to build a new game in order 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*

This lecture was selected to be in my resume as I do feel that I helped a community of 400 programmers from the countryside, who were lacking information about how they should approach Free Software.

Mainly I talked about my work environment tools, that were 100% Free Software, how they should approach and appropriately translate a foreign language, and how to help our GNU/Linux community as well as 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*:

Lecture about the Ubuntu launch at the IT school, in front of 200 participants and broadcasting to the whole school. I was also asked to talk about the award my BGSD team won because of my research - which enabled me to show the power of small change in code, that can provide huge results. This talk was a great opportunity for me, being only an intern at DATAPREV, one of the 100 biggest IT Brazilian company.

## **Brejolivre** — *Evolution of websites: Drupal the free gear*

This talk was a good one, I could show 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, which today is still lead by one of the attendees. As a bonus, I could share some hacks for Drupal.