Rafael Meireles Saback

Brazilian
Warsaw, Poland
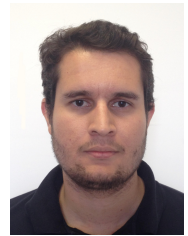+48 728 757 655
Visa: Has work permit
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Summary

A focused and results-oriented professional who is an expert in analytical problem solving. Rafael is well-versed in front-end development skills, besides also having expertise in database concepts and Linux. Rafael is a fast learner and has a strong passion for learning new skills. He is fluent in Portuguese (native), English and Spanish, besides an intermediate knowledge of Polish (B1 national certificate).

Technical Skills & Tools

- HTML5
- CSS3
- JavaScript
- Sass
- TypeScript
- C++
- Linux
- Git
- SQL
- Webpack
- Apache JMeter
- Jira
- Vim
- Atom
- Eclipse

Professional Experience

Microstrategy GDC   **Poland**
August 2017 - Present
Senior Associate Consultant

The role consisted in the development of BI documents and dashboards on MicroStrategy's platform. Participated in two main projects, one on-site in Spain (Spanish skills were required) and one off-site with a client in Japan.
The technical skills developed were:

- Advanced customization of interactive documents using HTML, CSS and JavaScript/jQuery
- Stress and functional web testing using Apache JMeter
- DDL scripts for table creation and data loading into MS SQL database
- DML statements to retrieve data from database

Brazilian Institute of Robotics / SENAI CIMATEC   **Brazil**
August 2013 - December 2016
Underwater Robotics Researcher

Major part of software development was done in C++, while a minor part, especially concerning the sys-

tem management layer, was done in Ruby. The whole programming was performed in Linux environment.

Member of the team responsible for hardware integration and maintenance, which comprised:
- Integration of sensors, thrusters and electronics inside FlatFish;
- Commissioning tests;

Member of the team responsible for software development and integration, which comprised:
- Development of algorithms used to control FlatFish's position (C++);
- Execution of unit tests for the components using Boost library;
- Development and integration of software components into the robotics framework (Robot Construction Kit) using Ruby;
- Development of GUIs using Qt with the purpose of monitoring FlatFish;
- FlatFish's system configuration in Linux environment.

DFKI   **Germany**
July 2014 - July 2015
Guest Researcher

Member of the team responsible for hardware integration, which comprised:
- Integration of sensors, thrusters and computers inside FlatFish;
- Commissioning tests.

Member of the team responsible for software development (C++, Ruby and Linux), which comprised:
- Development of communication driver for Seabotix LBV150;
- Development of control system for dealing with time-delayed underwater vehicles;

Education

- **Master in Electrical/Electronic Engineering (2017)**   **Brazil**
  Federal University of Bahia (UFBA) - 2 years
  "Robust Nonlinear Model Predictive Control with Fault-Tolerant Control Allocation Applied to an Autonomous Underwater Vehicle"
- **Engineer's Degree in Electrical/Electronic Engineering (2013)**   **Brazil**
  Federal University of Bahia (UFBA) - 5 years
  "Evaluation of Advanced Control Strategy with Constraints for Stabilization of Severe Slug Flow"

Language Skills

- Portuguese: native language
- English: fluent
- Spanish: fluent
- Polish: intermediate (B1 national certificate)