Rafael Meireles Saback

Brazilian
Warsaw, Poland
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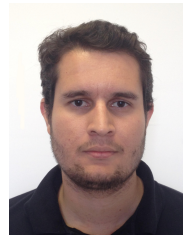Visa: Has work permit
Github
Web resume
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Summary

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 (ES6)
- Sass
- TypeScript
- React (basic)
- C++
- Linux
- Git
- SQL
- npm
- Webpack/babel
- Apache JMeter
- Jira/Trello
- Vim/Atom

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 system 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)