

Rafael Meireles Saback

Brazilian

Warsaw, Poland

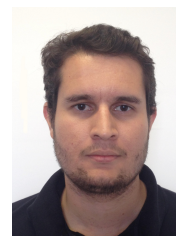
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[Github](#)

[Web resume](#)

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Summary

A focused and results-oriented Front-end Software Engineer who is an expert on analytical problem solving. Rafael is well-versed in vanilla JavaScript (ES6), React.js and Redux. Besides that, 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 advanced knowledge of Polish (B1 national certificate).

Technical Skills & Tools

- HTML5
- CSS3 / Sass
- JavaScript (ES6)
- TypeScript
- React
- Redux
- Jest
- Antd
- vis.js
- Linux
- Git
- SQL
- npm
- Webpack/Babel
- Jira/Trello

Professional Experience

deepsense.ai

Poland

January 2019 - Present

Front-end Software Engineer

Took part in a project for the development of a web application for network traffic monitoring. The project used scrum methodology (2-week sprints) and Jira for tasks management. The tech stack included:

- TypeScript, React and Redux
- Antd React UI library
- vis.js network graph library
- Jest testing library
- RxJS for handling HTTP requests

Microstrategy GDC

Poland

August 2017 - December 2018

Senior Associate Consultant

BI consultant responsible for the development of BI documents and dashboards on MicroStrategy's platform. The technical skills developed comprise:

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- 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 was done in Ruby. The whole programming was performed in Linux environment. The software development attributions included:

- Integration and configuration of sensors such as IMU, DVL and Pressure Sensor - based on RS-232 - and actuators, i.e. thrusters (CANopen). The drivers were all developed in C++ language;
- Development of algorithms used to control FlatFish's position (C++);
- Development and integration of software components into the robotics framework ([Robot Construction Kit](#));
- FlatFish's system configuration in Linux environment.

DFKI

Germany

July 2014 - July 2015

Guest Researcher

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"- [Download](#)
- **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: advanced (B1 national certificate)