# Bruno Marques

Back-end / DevOps

## Summary

Computer scientist and Masters student with 7+ years of professional experience in Agile development of web applications. Some of them include:

- a full-stack, Asterisk-based IP PBX used by several big Brazilian companies, in a variety of sectors such as logistics and education
- an Odoo-based financial management and point-of-sale SaaS targeted towards small businesses, particularly the retail sector, with support for NF-e (Brazilian electronic receipt)
- an agricultural marketplace connecting consumers to local purveyors, backed by a RESTful API in Django

Currently pursuing a Master's degree, targeted towards machine learning on association football (soccer) - a sport where advanced metrics and presentations are on an early stage but already provide exciting results.

## Experience

**DevOps / Back-end Engineer at Crave Food Systems**
January 2016  -  April 2018 (2 years 4 months)

Remote work, with daily video meetings and occasional business travels.

Cloud-based DevOps, driven by Fabric and Puppet.

Planning and development of the REST API for the flagship WhatsGood platform, including:
- a web server in Django
- an Elasticsearch-driven, full-text searching for products and businesses

Implementation of data analysis services through Jupyter and the ELK stash.

**Full-stack Developer  at WorkIT Rocks**
December 2015  -  December 2015 (1 month)

**Full-stack Developer  at Simbio**
July 2014  -  November 2015 (1 year 5 months)

Full-stack (with a Python backend) development of an OpenERP-based (now updated to Odoo 8.0) finance management SaaS with emphasis on small businesses - later pivoted to a POS solution for the retail sector (that's startup life for you). Work on both the planning and execution stages.

Creation of two Friday personal projects:

- a deployment system in Ansible (my second foray into DevOps-lite after the Buildbot CI system).
- a Django + Web Components-based rewrite of Simbio following the principles of Material Design, back in the days of Polymer 0.5; the technology was not mature enough and we later pivoted to increase our focus in a cloud-based POS for retail, so it ended up being scrapped.

Full-stack Developer at Propus
January 2011  -  March 2014 (3 years 3 months)

Web application development and maintenance, mostly on Django and CakePHP-based applications but also on a number of internal systems. Includes:

- a full-stack, Asterisk-based IP PBX for large companies, with heavy use of Python AGIs, PostgreSQL stored procedures and a CakePHP-based control panel.
- the registration and lecture submission systems from Fórum Internacional de Software Livre (FISL), one of the biggest Free Software events around the world. Included on-site installation and support during the 2012 and 2013 editions.

Creation of a lightweight, Buildbot-based system for continuous integration and continuous delivery - our development servers lacked the necessary performance to run something like Jenkins, so it was the best solution by far. And it worked very well.

## Education

Universidade Federal do Rio Grande do Sul
Master's degree, Computer Science, 2016 - 2018
Universidade Federal do Rio Grande do Sul
Bachelor's degree, Computer Science, 2007 - 2012

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LinkedIn

Contact Bruno on LinkedIn