

# João Rafael Martins

Software Developer



## ◦ PROFILE ◦

Self-motivated, dynamic and highly reliable software developer with over 10 years' experience in ML/AI and Web development. Skilled in Back-end development and NLP research tasks such as text classification, controlled text generation, AutoML, xAI and general predictive models. Strongly positioned to contribute to business operations demanding tact, enthusiasm and exemplary work ethic. A born leader with a proven track record of leadership in development.



## ◦ LANGUAGES ◦

Portuguese — Native

English — Fluent

French — Basic Level

Spanish — Basic Level

Curitiba, Brazil  
+55 41 998693157  
joaoraf@me.com  
linkedin.com/in/joaoraf  
github.com/joaorafaelm



## ◦ PERSONAL SKILLS AND COMPETENCIES ◦

*/ Strong Written and Presentation Skills / Leadership and Problem-Solving /  
/ Ability to work in a team, individually or remote / Organizational Skills /  
/ Highly Initiative / Ability to Multitask and Prioritize Daily Work Responsibilities /  
/ Goal/Detail-oriented / Decision Making /  
/ Coordination / Zero Tolerance Towards Errors /*



## ◦ EMPLOYMENT HISTORY ◦

### 1. XAPO, (Remote) — Python Developer / ML Engineer, 2018 – 2020

**Technologies used:** Jenkins, Hashicorp Vault, AWS products, Python, Flask, React, NPM, Mysql, Docker, Sci-kit learn, TensorFlow, Keras, PyTorch, Google Cloud products, New relic etc.

#### Roles

- Part of the risk and security team responsible to build and maintain the pipeline of all virtual transaction analysis in real time.
- REST API development and integration with 3rd party APIs using Python and Flask.
- UI development using React.
- ETL & Data lake infrastructure.
- Led the development of the whole AI pipeline, from ETL to real time predictive models and model interpretability.

### 2. Olist, (Remote) — Python Developer 2017 – 2018

**Technologies Used:** Heroku, AWS Products, Python, Django, React, NPM, jQuery, Redis, PostgreSQL, Docker, Sci-kit learn, TensorFlow, Keras, PyTorch.

#### Roles

- Develop and maintain private and open source software.
- Architect deploy and monitoring of micro services.
- Code Review and pair programming.
- Involved in the development of predictive models for churn detection, document classification, other data science related projects and natural language processing tasks.



#### ◦ SKILLS ◦

**Languages:** Python, Go, Ruby, C, PHP, JavaScript (ES5, ES6, NodeJS), Java and Elixir.

**Databases:** MySQL, PostgreSQL, MongoDB, Elasticsearch, RDS, Redis, Memcached, SQLite and Cassandra.

**Versioning:** Git and SVN.

**CI and CD:** Ansible, Fabric, Native Packages (.deb, .rpm), Jenkins and Gitlab.

**Infrastructure tools:** Vagrant, Docker, Xen, Kubernetes, Open nebula, AWS, LXC, and VirtualBox.

**Cloud providers:** AWS, Azure and Google cloud platform.  
**Message Queues:** Rabbit MQ, SQS, ActiveMQ and Redis.

**Other Frameworks and Tools:** React, Flux, Angular, Django, Phoenix, Ruby on Rails, Laravel, Xen Server and Py.test.

**Machine Learning frameworks:** Sci-kit learn, TensorFlow, Keras, PyTorch.



#### ◦ REFERENCES ◦

AVAILABLE ON REQUEST

### 3. SmartGreen, Brazil — Full Stack Developer 2015 – 2017

**Technologies Used:** Python, NodeJS, Django, React, NPM, jQuery, RabbitMQ, Redis, MongoDB, MySQL, PostgreSQL, Xen, QEMU, Docker, Celery, MQTT, Vagrant, VirtualBox, Sci-kit learn.

#### Roles

- Managing web systems written in Python using the Django Framework, and PHP.
- Development of high performance and scalable software written in JavaScript (NodeJS), Python and Go.
- In charge of maintaining, creating and optimizing front-end components, using technologies such as ES6, React, jQuery and others.
- Experience with TDD methodology, writing unit, integration and acceptance tests.
- Also responsible for maintaining CI and CD servers.
- Creation of native packages (deb and rpm).
- Use of agile methodologies such as Scrum.
- Projects involving data analysis for anomaly detection.

### 4. AutoGestor, Brazil — Web Developer 2014 – 2015

**Technologies Used:** PHP, MySQL, JavaScript, HTML, jQuery, CSS, Bootstrap

#### Roles

- Development of web platform using PHP, with own framework and Front-end interfaces using Jade and Handlebars.
- Creation of REST API, and integration with other platforms, such as Facebook, Mercado Libre, OLX.
- Responsible for Database administration and maintenance.

### 5. Freelancer — Full Stack Developer 2009 – 2014

**Technologies Used:** PHP, MySQL, JavaScript, HTML, jQuery, CSS, Bootstrap

#### Roles

- Design of layout and coding websites and systems.
- Involved with the maintenance and update of websites.
- Designed interface prototypes, and software architecture.
- Building and testing APIs for applications to exchange data.



#### ◦ EDUCATION ◦

**FESP, Brazil — Bachelor's Degree in Information Systems**

2014 - 2017