

# Rafael Dutra

Brazilian, single.

[Porto Alegre/RS](#)

Email: [raffaeldutra@gmail.com](mailto:raffaeldutra@gmail.com)

## Personal Statement

13+ years of experience in Information Technology, Network Administration, Infrastructure analysis, working especially with [GNU/Linux](#).

3+ years working with [PHP](#) development and frameworks ([Laravel](#) and [Codeigniter](#)), [Vagrant](#), [Bower](#), [Composer](#) and [Git](#).

In the last 2 years, I've been working mainly on Infrastructure automation ([Infra as Code](#)) and containerization with [Docker](#).

## Work Experience

### [Jive Software](https://jivesoftware.com) (<https://jivesoftware.com>)

Jive Software is now a part of [Aurea Company](https://aurea.com) (<https://aurea.com>)

Technology company - Portland - Oregon - United States.

Jan/2018 - Present

Working remotely as independent contractor for [Crossover](#).

My main goal was to work on cost reduces at [AWS](#) and for that I had to learn internal tools to know what to do.

- Deployment and infrastructure automation ([Docker](#), [Docker Compose](#), [Bash](#) and [Puppet](#)).
- Support internal tools.
- [AWS](#) ([Elastic Cloud Computing \(EC2\)](#), [Elastic Block Storage \(EBS\)](#)).
- Documented internal tools used at [AWS](#).
- Documents processes and procedures required.
- Job Scheduler ([Rundeck](#)).
- [Continuous Integration](#) ([Git](#), [Bitbucket](#), [Jenkins](#))
- Logs and metrics monitoring ([Datadog](#) and [Flapjack](#)).

### [PoaTek IT Consulting](http://poatek.com) (<http://poatek.com>)

Technology company - Porto Alegre/RS

Oct/2016 - Jan/2018

Working on site for [AGCO \(Agriculture Corporation\)](#).

#### AGCO - IT Specialist

- Deployment and infrastructure automation ([Docker](#), [Docker Compose](#), [Bash](#) and [Puppet](#)).
- Continuous integration ([Git](#), [Bitbucket](#), [Bamboo](#) and [Confluence](#))
- Logs and metrics monitoring ([Elasticsearch](#), [Logstash](#), [Grafana](#) + [Telegraf](#) and [InfluxDB](#)).

- Development environment automation ([VirtualBox](#), [Vagrant](#), [Packer](#), [Linux](#), [Preseed](#)).
- Job Scheduler ([Rundeck](#)).
- Build tools ([Gradle](#) and [Apache Maven](#)).
- Linux server administration ([Ubuntu Server](#)).
- Documents processes and procedures required for developers.
- Learns new applications and functionalities as required.
- Participates in special projects, usually involving implementation of a new tool or application.

## AGCO Projects

**Puppet - Configuration Management** This project was developed from scratch, since the creation of a functional environment in localhost to developers and operator could recreate the whole infrastructure managed using [Puppet](#), until it get to the environments, like development, staging and production.

Documentation of process, like:

- Mounting points
- Create new environments
- Code deployment by operators in production with puppet apply command, using [Continuous Delivery](#)
- Create new machines with specific modules
- Code deployment with [r10k](#)
- How to create new [Puppet](#) servers using [Puppet](#)

Developed codes:

- [Spring Boot module \(Java\)](#).
- Structural Scripts for nodes in format [YAML](#) written in [Ruby](#).
- [Shell Scripts](#) to install agent and configure it.

Tools like [Vagrant](#), [Shell Scripts](#) in [Ruby](#) were the great pillars for the project become viable.

All the developed code to automate it, was thinked in how to bring benefits for operators and development team.

## Oracle automation using Docker for development

In this case, the demand was build a tool for developers create scripts for Oracle, where this scripts have to pass for some "pipelines" until it get to production using Bamboo (Continuous integration tool).

## Bamboo using Docker

Many of our projects uses [Docker](#) for build the application developed by other companies. Our main problem was to have the same environment used in development to production like plugins and packages dependencies.

## [Shell Scripts](#) environments

In some cases, we could not use some tools for configuration management, so I build scripts for environments to install and configure some tools, like: [Nginx](#), [CouchDB](#), [Spring Boot module \(Java\)](#) environment, [ActiveMQ](#).

[Dev4you](http://dev4you.com.br) (<http://dev4you.com.br>)

Technology Company - Porto Alegre/RS  
Aug/2015 - Sep/2016

- Cloud Services ([Google Cloud](#), [Amazon Web Services](#) and [Digital Ocean](#)).
- DNS management. [Shell Scripting](#) (advanced level) to automate tasks. Internal micro applications development with [PHP](#).
- Platform backups using [Rsync](#) and [Bacula](#).
- [Docker](#) containers tests for use in production and management configuration with [Ansible](#) and [Puppet](#).

## **[Toshyro.net Processamento de dados Ltda](http://toshyro.net) (<http://toshyro.net>)**

Development Company - Lajeado/RS  
Apr/2014 - Dec/2014

- Systems development in [PHP](#) with CodeIgniter Framework and MySQL databases. JQuery/Jquery Mobile.
- Cloud Servers Administration and internal virtualization to host homologation projects.

## **Education**

- 2017/1 – Information Technology Security  
UNISINOS - São Leopoldo/RS. Current course.
- 2010/1 – 2011/2 – Network Computers  
Centro de Tecnologia em Automação e Informática, Florianópolis/SC, SENAI/SC. Not completed.
- 2008/1 – 2009/1 – Information Technology Security  
UNISINOS - São Leopoldo/RS. Not completed.
- 2004/1 – 2007/1 – Network Computers Certificate  
Escola Estadual de Educação Profissional em Estrela, Estrela/RS. Finished.

## **Languages**

- Intermediate English for writing and speaking.
- Advanced English for listening and reading.

## **Courses**

- 2017/1 - [Puppet Fundamentals](#) - Instruct - São Paulo/SP (24 hours) - [Agenda](#).
- 2012/2 - Lean Software Development - WildTech - Porto Alegre/RS.
- 2011/2 - Accessing the WAN - Cisco Networking Academy - Florianópolis/SC
- 2011/1 - Lan Switching and Wireless - Cisco Networking Academy (recommendation letter) - Florianópolis/SC.
- 2010/2 - Routing Protocols and Concepts - Cisco Networking Academy (recommendation letter) - Florianópolis/SC.
- 2010/1 - Network Fundamentals - Cisco Networking Academy (recommendation letter) - Florianópolis/SC.

## **Lectures**

- [2º TcheLinux Lajeado](#) - [Introdução ao Docker](#) - [Lajeado/RS](#).

## **Workshops**

- [1º FOSS Day Lajeado](#) - [Docker Workshop](#) - beginner and intermediate.

## Vagrant Boxes

- [Debian 8.8.0 amd64 Docker CE](#)
- [Debian 8.6 amd64 Docker](#)

## Docker Hub images

- [Docker Ansible](#)
- [Docker Terraform](#)
- [Docker Ansible](#)

## Events/Conferences

- 2018/1 - [Google Onboard](#) - [Porto Alegre/RS](#) - [Agenda](#)
- 2018/1 - [1º FOSS Day Lajeado](#) - [Lajeado/RS](#).
- 2017/2 - [The Developers Conference - DevOps](#) - [Porto Alegre/RS](#).
- 2017/2 - [The Developers Conference - Containers](#) - Porto Alegre/RS.
- 2017/2 - [DevOpsDay](#) - [Agenda](#) - [Porto Alegre/RS](#).
- 2017/1 - [2º TcheLinux Lajeado](#) - Lajeado/RS.
- 2016/1 - [1º TcheLinux Lajeado](#) - Lajeado/RS.
- 2010/2 - [5º Solisc - Congresso Catarinense de Software Livre](#) - Florianópolis/SC.
- 2010/1 - [11º Fórum Internacional de Software Livre \(FISL\)](#) - [Porto Alegre/RS](#).
- 2009/1 - [10º Fórum Internacional de Software Livre \(FISL\)](#) - [Porto Alegre/RS](#).
- 2008/1 - [9º Fórum Internacional de Software Livre \(FISL\)](#) - [Porto Alegre/RS](#).
- 2007/1 - [8º Fórum Internacional de Software Livre \(FISL\)](#) - [Porto Alegre/RS](#).
- 2006/1 - 7º Fórum Internacional de Software Livre (FISL) - [Porto Alegre/RS](#).

## Meetups

- 2018/05/30 - [14º Docker Meetup](#) - SENAC - Porto Alegre/RS
- 2017/07/26 - [Microservices and Docker](#) - PUC - Porto Alegre/RS
- 2017/06/20 - [10º Docker Meetup](#) - PUC - Porto Alegre/RS
- 2017/02/09 - The news about Docker 1.13 - PUC - Porto Alegre/RS
- 2017/01/16 - 12º Continuous Delivery - PUC - Porto Alegre/RS

## Videos on Youtube

- [Playlist Docker](#) (Portuguese content)
  - [Docker Swarm](#) (Portuguese content)
  - [Docker Compose](#) (Portuguese content)
- [Microsoft has acquired GitHub and look what happened](#) (Portuguese content)
- [OpenCast 89 - Tchelinux, Free Software and Photography, with Rafael Jeffman.](#) (Portuguese content)