

# Rafael Dutra

Brazilian, single.

[Porto Alegre/RS](#)

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

## Personal Statement

More than 14 years of experience in Information Technology, Network Administration, Infrastructure analysis, working especially with [GNU/Linux](#).

More than 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

### [Stefanini | IT Solutions and IT Staffing](https://stefanini.com) (<https://stefanini.com>) - DevOps Engineer

Technology company - Porto Alegre/RS

Aug/2018 - Present

The main goal is to bring new customers using automation (Continuous Integration and Continuous Deployment/Delivery) and Cloud Computing.

- Deployment and infrastructure automation using ([Docker](#), [Docker Compose](#), [Bash](#), [Terraform](#), [Ansible Puppet](#)) and [Cloud-init](#).
- [AWS](#) ([Elastic Cloud Computing \(EC2\)](#), [Elastic Block Storage \(EBS\)](#), [Relational Database Service \(RDS\)](#)).
- Document internal tools used at [AWS](#).
- [Continuous Integration](#) ([Git](#), [Gitlab](#))
- [Created modules for Terraform to manage records at AWS Route 53 \(DNS\)](#)
- [Created modules for Terraform to manage zones at AWS Route 53 \(DNS\)](#)

### [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 - Jul/2018

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

My main goal was to reduce cost at [AWS](#) and learn internal tools used in the company to provide support.

- Deployment and infrastructure automation ([Docker](#), [Docker Compose](#), [Bash](#) and [Puppet](#)).
- Internal support tools.
- [AWS](#) ([Elastic Cloud Computing \(EC2\)](#), [Elastic Block Storage \(EBS\)](#)).
- Documentation of 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](#)).
- Logs and metrics monitoring ([Elasticsearch](#), [Logstash](#), [Grafana](#) + [Telegraf](#) and [InfluxDB](#)).
- Environment automation development ([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 agents 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 environment was thought 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 creating scripts for Oracle, where those scripts had to pass for some pipelines until it get to production using Bamboo (Continuous integration tool).

## Bamboo using Docker

Many of our projects used [Docker](#) for build the application developed by other companies. Our main problem was to create 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 wrote scripts for environments to install and configure some tools, like: [Nginx](#), [CouchDB](#), [Spring Boot module \(Java\)](#) environment, [ActiveMQ](#).

## Education

- 2017/1 – Information Technology Security  
UNISINOS - São Leopoldo/RS. Not completed.
- 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

- 2018/2 - [Docker Crash Course for busy DevOps and Developers](#) - Udemy
- 2018/2 - [DevOps Foundation](#) - Estabilis - São Paulo/SP.
- 2018/2 - [AWS hands on](#) - Estabilis - São Paulo/SP.
- 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 FOSSDay Lajeado](#) - [Docker Workshop - beginner and intermediate](#).
- [1º FOSSDay Bento Gonçalves](#) - [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

- 2018/2 - [Kinghost Connection](#) - Online.
- 2018/2 - [1º FOSSDay Bento Gonçalves](#) - [Bento Gonçalves/RS](#).
- 2018/2 - [DevOpsDay](#) - [Agenda](#) - [Porto Alegre/RS](#).
- 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)