Rubens **Figueiredo**

SOFTWARE ENGINEER

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Summary

Recent graduate from Faculty of Engineering - University of Porto (FEUP). I am a passionate developer, with a special like for infrastructural tasks designing systems for simplifying the development of code, and the automation of time consuming tasks, using cutting edge methods like virtualization and containerization. An avid Linux user, constantly tweaking my own development environment to fit my standards. Capable leader, shown in several tasks that I took in university, by preparing events for the scale of 80-100 people, and providing orientation for the rest of the members of my groups on the several projects for my classes.

Keywords

Linux, Python, C, C++, Rust, Vagrant, Salt, Docker, OpenStack, Jenkins, Artifactory, Scrum, DevOps, Virtualization, Containers, Vim

Work Experience

Software Developer Intern   *Berlin, Germany*
BERLIN INSTITUTE FOR SOFTWARE DEFINED NETWORKS - BISDN   *Sep. 2017 - Feb. 2018*

- Built and deployed a Graphical User Interface for usage in a Software-Defined Networking environment.
- Researched and implemented a traffic change monitoring system based in statistical analysis.
- Developed a module for integration with the OpenStack environment.
- Developed an OpenStack testing environment with the help of SaltStack for automatic configuration.
- Integrated with the team and helped with a few responsabilities in the company, by taking care of merge requests, and general infrastructure tasks.
- Developed software based on Vagrant environments, docker, etc
- Developed Software based in Linux systems, providing familiarity with userspace networking applications like systemd-networkd and iptables, and a bit of kernel space knowledge.
- Integrated the team since the introduction of the Scrum methodology, participating in daily standups, sprint plannings, and more.

DevOps Summer Intern   *Porto, Portugal*
I2S - INSURANCE KNOWLEDGE   *Jun. 2017 - Sep. 2018*

- Integrated a team developing and deploying infrastructural applications for backend of general company applications.
- Updated the Docker environments to the latest version.
- Deployed an authentication application in cluster mode, including monitoring capabilities for network usage.
- First contact with the Scrum and Agile environment, developing skills in sprint plannings and task organization.
- Use of DevOps workflow and tools like Jenkins, Artifactory, Ansible, etc.

Education

API design and implementation of management interface for SDN whitebox switches   *Berlin, Germany*
MASTERS THESIS IN SOFTWARE-DEFINED NETWORKING   *Sep. 2017 - Mar. 2018*

- Thesis done under the cooperation of a company.
- Designed a Graphical User Interface for the visualisation of network topology and port statistics.
- Designed a network traffic change monitoring tool.

Faculty of Engineering - University of Porto   *Porto, Portugal*
MASTERS DEGREE IN ELECTRICAL AND COMPUTER ENGINEERING   *Sep. 2012 - Sep. 2018*

- Master in Electrical and Computer Engineering
- Major in Telecommunications, Electronics and Computers
- Minors in Systems Quality, Optical Communications and Graphical Computation

Extracurricular Activity

Phastload
PHASTLOAD PROJECT DEVELOPER   *Dec. 2015 - Pres.*

- Simple web application for transmitting two files.
- Original application with deployment based on DigitalOcean's Virtual Machine.
- Original plan to work in php, but eventually migrated to use the Django backend.
- Currently building a full build pipeline, since commit to github, to deployement to Amazon Web Services.

Various Applications

Opensource Contributor *Jan. 2016 - Pres.*

- Contributed to several applications in github, to improve documentation and simple code fixes.
- Familiarity with the opensource development model.