

# DOMINGO RIVERA BARROS

## Computer Engineer

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## EXPERIENCE

### Cloud Infrastructure Engineer

#### CERN - Cloud Infrastructure team

📅 September 2021 – Present

📍 Switzerland

Tech Stack: *OpenStack, Linux, Python, Bash, Puppet, MySQL, InfluxDB, Prometheus, Grafana, Rundeck, CI/CD*

- Responsible for monitoring the Cloud Service, ensuring high availability and performance through proactive monitoring.
- Developed and maintained automation tools for the Cloud Service, streamlining operations and improving efficiency.
- Played a key role in configuring, managing, and continuously improving CERN's Cloud Service infrastructure (OpenStack).
- Managed and maintained the CERN OpenStack web application, ensuring its availability and performance for thousands of users.
- Member of the Cloud Service support team in charge of addressing user incidents and requests, providing solutions and support for a large-scale infrastructure that serves thousands of users. This infrastructure includes nearly 10,000 physical servers, 13,000 virtual machines, and almost half a million cores.

### DevOps Engineer/Infrastructure Engineer

#### CERN - Infrastructure and Automation team (Databases Group)

📅 July 2018 – July 2021

📍 Switzerland

Tech Stack: *Linux, Python, Puppet, Ansible, Nomad, Docker, Kubernetes, CI/CD, InfluxDB, Telegraf, Grafana, Filebeat, Logstash*

- Contributed to the migration of several systems to a container-based infrastructure using Nomad and Kubernetes.
- Led the migration of hardware and application monitoring and alarming sensors to Collectd.
- Continuously improved the group's configuration elements using Puppet.
- Member of the support team in charge of the physical and virtual platform of the group.

### Web Developer **Conexiona Telecom**

📅 February 2018 – May 2018

📍 Spain

Internship student - Developed the notifications system for the web application managing the company's financial records.

### System Administrator **University of Vigo**

📅 November 2017 – March 2018

📍 Spain

Internship student - Provided support in managing the computing infrastructure of approximately 500 computers and peripherals, covering hardware and software management, maintenance and troubleshooting.

*"Enthusiast, optimistic and efficient team player. Always willing to learn, contribute and help solve problems to achieve the best results."*

## LANGUAGES

English

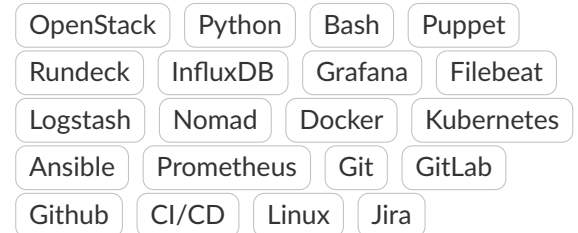
French

Spanish

Portuguese



## SKILLS



## EDUCATION

### B.S. in Computer Engineering

#### University of Vigo

📅 2020

📍 Spain

Bachelor's thesis: ESEI Monitoring System

### Erasmus Programme. Computer Engineering

#### Bialystok University of Technology

📅 2016

📍 Poland