





# Lucas Cauhé Viñao

CLOUD ENGINEER · LANGUAGES ENTHUSIAST · DEVELOPER

 August 27, 2003  lcauhe@gmail.com  <https://lucas-cauhe.github.io/blog/>  lucas-cauhe  Lucas Cauhé Viñao

## Education

### University of Zaragoza

B.S. IN COMPUTER SCIENCE

Zaragoza, Spain

2021 - 2025

### University of Tampere

COMPUTER SCIENCE EXCHANGE STUDENT

Tampere, Finland

January 2025 - June 2025

### Ocaml Foundation & Universidad de Zaragoza

ADVANCED PROGRAMMING SKILLS

Zaragoza, Spain

Summer, 2023

## Experience

### Systems & Cloud Engineer Intern

SICUZ, UNIVERSITY OF ZARAGOZA

Zaragoza, Spain

September 2024 - Present

Sysadmin and datacenter operations for real users. **LDAP management**, **bastion hosts development**, work with enterprise-level hardware.

I worked on the Boira inter-cloud project using **OpenNebula on premises** and **Ceph** as distributed storage.

### Cloud Security Posture Management (CSPM) Intern

SYSDIG TECHNOLOGY, S.L.

Zaragoza, Spain

June 2024 - August 2024

- Static analysis of IaC manifests and cloud security policies compliance.
- Process automation and internal utility tools development.

## Volunteering

### CodelabZGZ

EVENTS MANAGER & TREASURER

<https://codelabzgz.dev>

2023 - Present

CodelabZGZ is a **computer science students association**, where we arrange **hackathons** and other events.

I often develop problems for hackathons and their solution, as well as **engaging other students to participate** in our events or getting in contact with **companies for sponsorships**.

## Projects

### Cloud Federation

 [lucas-cauhe/cloud-fed](https://github.com/lucas-cauhe/cloud-fed)

June 2025 - June 2026

For my Bachelor's thesis I developed and tested a cloud federation model.

I used OpenNebula, as virtualization platform, Ceph for distributed storage and Puppet Bolt and OpenTofu for infrastructure and services deployment.

The federated entities share a **distributed resource catalog**, deploy VMs based on **policies compliance** using **Open Policy Agent** and the **deployment is fully automated**.

### Chip8 emulator & debugger

 [lucas-cauhe/chip8-rusterpreter](https://github.com/lucas-cauhe/chip8-rusterpreter)

Chip8 emulator written in Rust which can be used as a standalone emulator or combined with a builtin simple terminal-based ui debugger.

## Skills

### Spoken Languages

English C1, Spanish (Native)

### Programming Languages

C, C++, OCaml, Ruby, Python, Rust, Java, JavaScript

### Technologies

Distributed Storage (Ceph), Cloud on premises (OpenNebula, Proxmox)