# Ismael Berdusán Muñoz

*Computer Science*

## 📇 CONTACT

</> Ismaber.github.io

✉ ismael2822001@gmail.com

📍 Zaragoza, Aragon, Spain

in Ismael Berdusán Muñoz

○ Ismaber

## 🔤 LANGUAGES

Spanish - Native

English - High Level

## 🧰 SKILLS

Teamwork

Troubleshooting

Attention to detail

Self-management

Continuous Learning

Initiative

## 👤 ABOUT ME

Computer science graduate with a strong interest in **systems administration**. Ability to adapt to all types of environments and always strive to give my best. Seeking to learn new technologies and improve my abilities.

## 💼 EXPERIENCE

### Virtualization and Network Integration

*University of Zaragoza, February 2025 - April 2025*

Conducted the design and implementation of a **virtual machine server** seamlessly integrated with the **network architecture** of the **Department of Computer Science and Systems Engineering**. This involved an in-depth analysis of **OpenStack** as a virtualization management tool, its **installation and configuration** on a dedicated server, and the setup of **network segmentation** and **virtualization** for both the server and its virtual machines. Additionally, comprehensive **documentation** was prepared to detail the entire process and its outcomes.

## 🎓 EDUCATION

### Degree in Computer Science

*University of Zaragoza, 2019 - 2025*

#### Systems Administration

Implementation of IT infrastructures and managing **VLANs** and **IPv6** environments. Leveraging automation tools developed in **shell scripting** and **Ruby** to streamline remote management tasks. Experience spans across **OpenBSD** and **FreeBSD**, with a focus on critical applications such as **NTP**, **DNS**, **NFS**, and **FreeIPA** for domain management.

#### Databases

Installation, configuration, and management of various **DBMS**, both **SQL** (**Oracle**, **PostgreSQL**, **MySQL**) and **NoSQL** (**MongoDB**, **Cassandra**), as well as ensuring their security and subsequent data exploitation.

#### Web Development

Development of a **Full Stack** application using the **MERN** stack (MongoDB, Express, React, and Node.js), integrating the **public API of Zaragoza City Council** to provide real-time information on **bicycle and station availability**, with features such as **search filters**, **travel routes**, and **data visualization**.

## 🔧 TOOLS

| | | | |
|---|---|---|---|
| **Python** | **Java** | **SQL** | **Git** |
| **JavaScript** | **Kotlin** | **Docker** | **Docker Compose** |
| **C** | **Linux** | **React** | **Tailwind** |
| **C++** | **Shell** | **Next.js** | **ROS 2** |
| **CI/CD** | **OpenStack** | **KVM / QEMU** | **Github Actions** |