

Oscar Forner Martinez

I am a senior software engineer with experience in a diversity of projects ranging from a RESTful API processing thousands of requests per second, through compilers to video processing pipelines.

You can use an interactive version of my CV by running: `docker run -it maitezin/resume`

Experience

April 2020

- Present

Lead Software Engineer at Paack

During my time in Paack I have worked in multiple projects, such as **Warehouse Management System**, **Business Rules Engine**, **New Retailer API**, and **Communications Service**. All of them were developed in **Go** using **PostgreSQL** as the database to store the information of the services and they were deployed in **Kubernetes** using **Helm** and **Istio**.

As part of my role as Lead Software Engineer I mentored several people in my team and I was heavily involved in the hiring process of the company.

June 2018

- April 2020

Senior Backend Software Engineer at GlobalSign

As part of my duties in GlobalSign I implemented new functionalities in the **High Performance Platform**, written in **Go**, that served thousands of certificates per second. I also lead the migration of backend storage from **MongoDB** to **PostgreSQL**.

I mentored multiple new-hires and had a highly involved role in the hiring process.

Sept. 2016

- June 2018

Software Engineer at VCA Technology

During my time at VCA Technology I created a **network library** that allows the user to interact with **Boost ASIO** through the **std::stream** interface, added **authentication** to the system, and designed the **configuration migration process**.

In addition, I improved the in-house **toolchain** to use **clang-tidy** for the linting of our code and I lead the usage of **continuous integration** in order to improve the product delivered to the customer, and to reduce the time to market.

April 2015

- Sept. 2016

Software Developer at Programming Research

I worked in two projects during my time at Programming Research.

-**Static analysis of code**: Checks if the code has some patterns such as: *undefined behaviour*, *unspecified in the Standard*, and/or *implementation-defined*.

-**Dataflow analysis of code**: Checks the complexity of methods, pointer problems, memory handling, etc.

July 2013

- Apr. 2015

Software Engineer at European Bioinformatics Institute

My main duty was to create a RESTful service to allow users to query for information about multiprotein complexes.

2013-Present **Open Source**

Some of my Open Source projects are **YAUS**, **Yet Another URL Shortener** is a toy project written in **Go** and deployed in **Heroku**, **ARM C Compiler (ACC)** is a **self-hosting compiler** for **C** in the **ARM** architecture, and **Interactive CV** built using **Rust** and **Docker**.

Education

2010-2013 **Bachelor of Engineering in Computer Science**; Universitat Jaume I (Spain)
Advanced Data Structures, Compilers and Interpreters and Distributed Systems

2006-2010 **Associate Degree in Computer Science**; Universitat Jaume I (Spain)
Operating Systems, Real Time Operating Systems and Embedded Systems

Programming Languages

Go 4 years of professional experience.

Python 5 years of professional experience.

C++ 5 years of professional experience using **Modern C++** and **Boost** Libraries.

C 4 years of professional experience.

Technical Skills

Build **CMake**, **Meson**, **Make**, and **Ninja**.

CI **GitLab-CI**, **Jenkins**, **GitHub Actions**, and **Travis**.

Databases **PostgreSQL**, **MongoDB**, **SQLite**, **MariaDB**, and **MySQL**.

Orchestra. **Docker compose**, **Heroku**, **Kubernetes**, **Helm**, and **Istio**.

Broker **RabbitMQ**, and **PubSub**.

Languages

Spanish Native

English Fluent

oscar.forner.martinez@gmail.com

+34 617 60 60 12

Blog: **<https://oscarforner.com>**

LinkedIn: **<https://www.linkedin.com/in/oscarforner>**

GitHub: **<https://github.com/maitesin>**