

Oscar Forner Martinez

I am a software engineer with experience in all phases of the development process. I have experience in a diversity of projects ranging from a RESTful API, and compilers to video processing pipelines.

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

Experience

2018-Present Senior Backend Software Engineer at GlobalSign

As part of my duties in GlobalSign I implemented new functionalities in the **High Performance Platform** that serve thousands of certificates per second, and I took care of the migration of backend storage from **MongoDB** to **PostgreSQL**.

Moreover, implemented a prototype of the system used in production running in **Kubernetes** to test the feasibility of a future migration.

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

2016-2018 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.

2015-2016 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 that have an *undefined behaviour*, *unspecified in the Standard*, and/or *implementation-defined*.

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

2013-2015 Software Engineer at European Bioinformatics Institute

One of my duties was to create a RESTful service to allow users to query for information about multiprotein complexes.

In addition, I developed an algorithm to cluster biological information from proteins.

Education

2010-2013 Bachelor of Engineering in Computer Science; Universitat Jaume I (Spain)

2006-2010

Associate Degree in Computer Science; Universitat Jaume I (Spain)

Operating Systems, Real Time Operating Systems and Embedded Systems

Programming Languages

C++	5 years of experience using Modern C++ and Boost .
Python	5 years of experience.
C	4 years of experience.
Go	3 year of experience.

Technical Skills

Build	CMake, Meson, Make and Ninja .
CI	GitLab-CI, Jenkins, Bamboo and Travis .
Databases	MongoDB, PostgreSQL, CockroachDB, MariaDB, SQLite and MySQL .
Analysis	Clang-sanitizer, Coverity, Perf and Valgrind .
Orchestra- tion	Kubernetes and Docker compose .
Message Bro- ker	RabbitMQ and Kafka .
Operating Systems	GNU/Linux, MacOS, FreeBSD and OpenBSD .

Languages

Spanish	Native
English	Fluent

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

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