

Nicolás A. Ortega Froysa

SOFTWARE ENGINEER · NETWORK ADMINISTRATOR

Seville, Spain

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Skills

Programming C, C++, x86 Assembly, Bash, QML, Rust, Java, PHP, Perl, Oracle PL/SQL, ~~Python~~
Tools Linux, Qt Creator, CMake, Docker, DOxygen, SQLite, MariaDB, Ansible, NGinx, Vim
APIs Qt, ModSecurity, OpenMP, C++ STL
Languages **Native:** English (C2), Spanish · **Novice:** Portuguese, Esperanto

Experience

Babel

Seville, Spain (Hybrid)

C++ DEVELOPER

May. 2024 - Present

- Manjaro Linux as development environment.
- Low-Voltage workplace risk training.
- Maintaing & developing internal tool developed in C++ at Endesa.
- Use of Qt Creator and other Qt modules/tools for development.

Zevenet/RELIANOID

Mairena del Aljarafe, Spain

(Hybrid/Remote)

C++ DEVELOPER & SYSTEMS ENGINEER

Sep. 2022 - Apr. 2024

- Test suite management.
- Internal web service administration.
- Product management & ISO generation.
- Programming with modern C++ standards (C++17).
- Team collaboration in a dynamic project environment.
- Maintaining build system using CMake.

Collective Tyranny

Remote

C++ DEVELOPER & PROJECT CO-LEADER

Sep. 2015 - Nov. 2016

- Development of a 3D, derby-style, shooter game written in modern C++.
- Collaboration with various other developers in large-scale project using Git version control tool.
- Configuring the CMake build system for the project, linking to dependency libraries.
- Had to adapt to a constantly changing development environment.
- Asynchronous communication with teammates in different timezones.

Education

CEU San Pablo Andalucía

Andalusia, Spain

DEGREE IN ADMINISTRATION OF COMPUTER NETWORKS

2023

- Exercises in Linux system administration.
- Configuration of complex virtual networks using Cisco Packet Tracer™.
- Setting up Docker instances of web services.
- Management of Oracle databases and programming with Oracle PL/SQL.

International Baccalaureate Diploma Programme

Minnesota, USA

IB DIPLOMA GRADUATE

2015

- Higher level exams in English, Spanish, and Economics.
- Standard level exams in Physics, Visual Arts, and Calculus.
- Final paper on The Free Software Movement and Intellectual Property.

Projects

Indivisible

A highly optimized prime number generator with $O(n)$ time complexity for n^{th} prime generation, and $O(\sqrt{n})$ for prime testing. Written originally in C using OpenMP, then later ported to Rust.