Victor **Salazar**

EMBEDDED SYSTEMS ENGINEER · C/C++ DEVELOPER

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Summary

Passionate about new technologies, always curious with creative solutions. I am a nerd who loves linux to create a customized working environment. I am always interested to search the easiest, low-cost and reliable solution to my projects.

Work Experience

InoSYSTEMS Air Liquide Health Care (*Adentis consultant) *Paris, France*

C++ SOFTWARE DEVELOPER *Oct. 2022 - Present*

- Developed new features for their version 2 iNO delivery & monitoring system.
- Deployed an I2c interface using a STM32 microcontroller for a new oxygen sensor.
- Debugged a CAN bus with the help of Kvaser leaf tooling.
- *Development tools* (Debian, C++, QT, CMake, Redmine, SVN, Docker, Jenkins)
- *Tests & debugging tools* (GDB, Google TESTS, Kvaser Leaf tooling)

VEDECOM (*Adentis consultant) *Paris, France*

C++ SOFTWARE DEVELOPER *Oct. 2021 - Octobre 2022*

- Implemented new RESTful API features for their backend C++ solution (QT Creator)
- Deployed new features according to the Open Charge Point Protocol in order to communicate with a network management system.
- Deployed a Web-socket server with BOOST C++ to test a less expensive solution for their charging station.
- *Development tools* (QtCreator, Boost C++, ZeroMQ, Docker, Meson build, Valgrind)
- *Tests & debugging tools* (Boost Tests, Google Tests, Logic analyzer)

COCOPARKS *Paris, France*

EMBEDDED SYSTEMS INTERN *March. 2021 - Sep. 2021*

- Developed a prototype for an Embedded Machine Learning Product.
- Delivered a PCB board which I designed the hardware schematics and also coded the C++ modules.
- Integrated a tinyML model inside an ESP32 with the TensorFlow Lite framework.
- *Development tools* (Embedded Linux, Free-RTOS, C++, Python, Bash, Github, Tensorflowlite, ESP32, Raspberry Pi, Visual Studio)

LIEBHERR *Toulouse, France*

EMBEDDED SYSTEMS INTERN *May. 2020 - Sep. 2020*

- Deployed a Human-Machine interface with low latency communication with C++.
- Increased visual motor testing time by 100% by plotting real time data.
- *Development tools* (C/C++, Qt Creator, Debian, Git, Raspberry Pi)

Education

Embedded Systems Master *Toulouse, France*

UNIVERSITÉ PAUL SABATIER *Sep. 2019 - Sep. 2021*

Electrical Engineering Bachelor's Degree *Quito, Ecuador*

UNIV. SAN FRANCISCO DE QUITO *August 2013 - May 2018*

Extracurricular Activity

Web design and API integrator

- I am curious about the existing APIs for meta products, so I do some research and start to develop my own backend and frontend pages.
- Also highly curious about chatbots, I read articles in medium about Natural Language Processing and use python to work.

Sports & Gym

- I enjoy soccer matches with friends and family
- I am also constantly going to the gym at least 3 times per week