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 💼

EVIDEN (Adentis Consultant) 🔗
Les Clayes-sous-Bois, Île-de-France

FIRMWARE DEVELOPER
Mai. 2023 - Present

- Customized a Linux-based system using OpenBMC distribution to optimize server's functionality.
- Read hardware specifications to integrate neccesary drivers and software components.
- Designed and implemented D-Bus interfaces for efficient inter-process communication between various system components, improving overall system responsiveness and modularity.
- *Development tools* ⚙ (Yocto Project, C/C++, D-BUS, Python, Bash , RESTful API Design and Implementation using DMTF's Redfish)
- *Tests & debugging* 🐞 *tools* (Google TESTS, Kvaser Leaf tooling)

INOSYSTEMs Air Liquide Health Care (Adentis Consultant) 🔗
Paris, France

C++ SOFTWARE DEVELOPER
Oct. 2022 - Mai 2023

- 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, Git, Tensorflowlite, ESP32, 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 organized every week by colleagues.
- I am also constantly going to the gym at least 3 times per week