

Johan Remilien

Madrid - Community of Madrid - Spain

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WordClock++ (Open Source) available on Android, iOS, and WebAssembly

Career

Freelance - Autónomo

Software Development Engineer, Hybrid

June 2020 - current

Digital Essence - HeavyM - 2020 (2 months); **Televic Healthcare** - interAxio - 2022 (3 months); **Dirac** - Dirac Live - 2023(6 months);

Keywords: Qt, C++, QML, JavaScript, Bash/sh, Google Test, BitBucket, Bamboo, Scrum, Linux, macOS, iOS, Android, Windows, JIRA, Confluence

Pix4D . Full-time

Senior Software Development Engineer, Hybrid

Madrid - Community of Madrid - Spain

December 2020 - March 2022

○ Development of a drone-flight-planning mobile application

Keywords: Qt, C, C++, QML, JavaScript, Swift, Kotlin, Bash/sh, Qt Test, Google Test, GitHub, Concourse, XML, JSON, Scrum, Linux, MacOS, iOS, Android, JIRA, Confluence

Parrot Faurecia Automotive . Full-time

Software Development Engineer, Hybrid

Paris - Île-de-France - France

November 2018 - May 2020

○ Development of audio tuning tools for music and speech quality enhancement of car sound systems.

Keywords: Qt, C, C++, QML, JavaScript, Bash/sh, TCP/IP, MXE, git, Gerrit, XML, HTML, Agile, Linux, Windows, JIRA, Confluence

Groupe PSA via Segula Technologies . Contract

Software Development Engineer, On-site

Vélizy-Villacoublay, Yvelines - Île-de-France - France

August 2018 - November 2018

○ Development of tablet application controlling a rolling autonomous-driving simulation, to study human reactions to vehicle interior configuration changes between autonomous and user driving phases.

○ Development of a CAN-like communication protocol similar using TCP/IP sockets, allowing different HMI parts to be synchronized.

Keywords: Qt, C++, QML, JavaScript, Agile, Unix, Windows, Bash/sh, TCP/IP, CAN, git

Continental via Ausy . Contract

Embedded Systems Engineer, On-site

Rambouillet, Yvelines - Île-de-France - France

May 2018 - August 2018

○ Specification, development, and validation of a tell-tales system connected to CAN.

Keywords: V-Model, C, Renesas RH850/F1L(176 pins), CAN, electronics, embedded systems, Enterprise Architect, IAR, Green Hills MULTI

Visteon via Ausy . Contract

Systems Integrator, On-site

Cergy, Val-d'Oise - Île-de-France - France

September 2017 - April 2018

○ Hardware and software integration of level-3-autonomous-driving-equipments in a VW Golf GTI

○ Qt/QML expertise for Kanzi-replacement.

Keywords: Linux, Bash/sh, C++, CommonAPI, VSOME/IP, Franca, NVIDIA DriveTMPX2

Marelli via Ausy . Contract

Software Development Engineer, On-site

Châtelleraut, Vienne - Nouvelle Aquitaine - France

March 2016 - June 2017

○ Development of an *intelligent* objects library and a layout tool for a responsive infotainment system POC

○ Development of equipment demonstrators for Faurecia presented at The Mondial de l'Auto (2 months)

○ Prototyping the evolution of the HMI of the Alfa Romeo Giulia on a bench in Modena, Italy (2 months)

Keywords: Qt, C++, QML, JavaScript, Agile, Windows, JSON, Git, Arduino

PSA via Alten . Contract

Software Development Engineer, On-site

Vélizy-Villacoublay, Yvelines - Île-de-France - France

January 2015 - February 2016

○ Development of a Citroën's concept car HMI, the AirCross

○ Taskforce for the delivery of the series life HMI of Peugeot, Citroën, and DS

○ Development of part of a DS' concept car HMI, the E-Tense

Keywords: Qt, C++, QML, JavaScript, CAN, Bash/sh, batch, Agile, Linux, Windows, X11, git, JIRA, Confluence, Photoshop

Skills

Operating Systems: Linux, macOS, Windows, iOS, Android

Programming: C, C++, QML, JavaScript, Bash/sh

Learning: Swift, Kotlin, Python

Languages: Martinican Creole: native, English: fluent (TOIEC: 835), French: native, Spanish: B1

Academic

ESIGELEC

Rouen, Seine-Maritime - Normandy - France

General engineering school (specialization: Embedded Systems)

2011 - 2014