

Johan, Axel REMILIEN

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Software Development Engineer Qt | C++ | QML

Professional Summary

My journey in the software industry began in 2014, and since then I've continually honed my expertise, keeping up to date with the latest technologies and best practices.

Currently freelancing from Madrid, Spain, I'm looking forward to leveraging and enriching my skills and experience by taking on new challenges all over Europe.

My strong adaptability and commitment to delivering high-quality solutions make me an asset to your projects.

Education

ESIGELEC

General Engineering degree (major: Embedded Systems)

Rouen, Seine-Maritime - Normandy - France

2011 - 2014

Work Experience

Software Developer

September 2022 - February 2023, 6 months

Dirac, Freelance

Uppsala - Uppsala County - Sweden, Remote

- Development aimed at transitioning the tool from an expert-centric usage to a more consumer-oriented interface.
- Introduce the first unit tests (Google Test).
- Migration from Qt 5.15 LTS to Qt 6.2 LTS on CMake, C++, and QML parts.

Skills: Android, Bamboo, Bash/sh, Bitbucket, C++, CMake, clang-format, Google Test, iOS, JavaScript, macOS, QML/JS, Qt5, Qt6, Unit testing, Windows

Software Developer

July 2022 - September 2022, 3 months

Televic Healthcare, Freelance

Izegem - Flemish Region - Belgium, Remote

- Simplifying the patient assistance interface for easier use by those with reduced capabilities.

Skills: C++, Embedded Systems, Qt Designer, Qt Widgets, Qt 5, Unix

Senior Software Development Engineer

December 2020 - March 2022, 1 year 4 months

Pix4D, Full-time

Madrid - Community of Madrid - Spain, Hybrid

- Development of a drone-flight-planning mobile application Pix4Dscan.

Skills: Android, Bash/sh, C++, C, Concourse, Confluence, GitHub, Google Test, iOS, JIRA, JSON, Kotlin, Linux, macOS, QML/JS, Qt Test, Qt 5, Scrum, Swift, Unit testing, XML

Software Developer

July 2022 - September 2022, 2 months

Digital Essence, Freelance

Montreuil - Seine-Saint-Denis - France, Hybrid

- Development and integration of a control panel in a projection mapping software HeavyM.

Skills: Agile, C++, QML/JS, Qt 5, Qt Widgets

Software Development Engineer

November 2018 - May 2020, 1 year 7 months

Parrot Faurecia Automotive, Full-time

Paris - Île-de-France - France, Hybrid

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

Skills: Agile, Bash/sh, C++, C, Confluence, Design Patterns Gerrit, Git, HTML, JIRA, Linux, MXE, QML/JS, Qt 5, TCP/IP, UI, UX, Windows, XML

Software Development Engineer

August 2018 - November 2018, 4 months

PSA via Segula Technologies, Direct Contract

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

- 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.

Skills: Agile, Bash/sh, C++, CAN, Git, QML/JS, Qt 5, TCP/IP, Unix, Windows

Embedded Systems Engineer

May 2018 - August 2018, 4 months

Continental via Ausy, Direct Contract

Rambouillet, Yvelines - Île-de-France - France, On-site

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

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

Systems Integrator

September 2017 - April 2018, 8 months

Visteon via Ausy, Direct Contract

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

- Hardware and software integration of level-3 autonomous driving equipment in a VW Golf GTI.
- Qt/QML expertise for Kanzi-replacement.

Skills: Bash/sh, C++, CommonAPI, Franca, Linux, NVIDIA Drive[™]PX2, QML/JS, Qt, VSOME/IP

Software Development Engineer

March 2016 - June 2017, 1 year 4 months

Magneti Marelli via Ausy, Direct Contract

Châtellerault, Vienne - Nouvelle Aquitaine - France, On-site

- Development of an objects library and a layout tool for a responsive infotainment system proof of concept.
- 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).

Skills: Agile, Arduino, C++, Git, JSON, qmake, QML/JS, Qt 5, Windows

Software Development Engineer

June 2014 - February 2016, 1 year 9 months

PSA via Alten, Direct Contract

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

- Development of Citroën's concept car HMI, the AirCross.
- Taskforce for the delivery of the series life GUI of Peugeot, Citroën, and DS.
- Development of part of a DS' concept car GUI, the E-Tense.

Skills: Agile, Bash/sh, Batch, C++, CAN, Confluence, git, JIRA, Linux, Photoshop, photoshop-qmlexporter, QML/JS, Qt 5, Windows, X11

Skills

Operating Systems|Targets: Android, iOS, Linux, macOS, WebAssembly, WebOS, Windows

Programming Languages: Bash/sh, C++, C, Java, JavaScript, Objective-C++, Python, QML, SQL, YAML

Build Systems Generators: CMake, qmake

IDE: Android Studio, Qt Creator, Qt Designer, Qt Linguist, Visual Studio Code, Xcode

DevOps tools: Bamboo, CocoaPods, Conan, Concourse, Fastlane, GitHub Actions, Google Test, RubyGems, Squish

Languages: English: C1, French: native, Martinican Creole: native, Spanish: B1

Portfolio

WordClock++

Open Source application published on Google Play, App Store, and Web Application

Skills: Android, C++, clang-format, CMake, cmake-format, Crowdin, Design Patterns, Emscripten, Fastlane, Firebase, GitHub Actions, Gradle, JS, Java, Localization, macOS, Objective-C++, qmake, QML/JS, Qt 5, RubyGems, SOLID principles, Software Design, UI, UML, UX, Ubuntu, wasm, webOS, Windows, YAML

Activities and Interests

Dog Walking: Reflecting and brainstorming innovative solutions during walks with my canine companion, Denver.

Self-Improvement Books: Reading to enhance personal growth, mindfulness, and problem-solving skills.

Kayaking: Enjoying the outdoors, staying active, and finding tranquility while kayaking on calm waters.