Johan, Axel REMILIEN

Madrid - Community of Madrid - Spain

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Software Development Engineer Qt | C++ | QML (since 2014)

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

Education

ESIGELEC   **Rouen, Seine-Maritime - Normandy - France**
General Engineering degree (major: Embedded Systems)   *2011 - 2014*

Work Experience

Senior Software Engineer Consultant & Founder   **KOKLEEKO, Hybrid**
July 2024 —– Present   *Madrid - Community of Madrid - Spain, Hybrid*

Skills: *Software Development Life Cycle, Communication, Multitasking, Budget & Project management*

Senior Software Development Engineer   **IKKONIX SOFTWARE, Freelance**
May 2024 —– June 2024, 1+ month   *Franconville - Val-d'Oise - Île-de-France - France, Remote*

[-] Migration from Qt Widgets to QML
[-] Review and enhancement of the BL layer in connection with the UI
Skills: *C++, Design Patterns, JavaScript, qmake, QML, Qt Widgets*

Senior Software Development Engineer   **EUROCONTROL, Freelance**
January 2024 —– April 2024, 4 months   *Brussels - Brussels Region - Belgium, Remote*

[-] Enhanced multithreaded ASTERIX message-processing library by integrating modern C++ design principles
[-] Measure and expand unit test coverage
[-] Improve performance and mitigate the risk of memory leaks
Skills: *Bash/sh, Bitbucket, C++, clang-format, clang-tidy, CMake, Unit test coverage, Cppcheck, Design Patterns, Doxygen, GCOV, GoogleTest, LCOV, LLVM, Linux, macOS, C++ STL*

Senior Software Development Engineer   **Dirac, Freelance**
September 2022 —– February 2023, 6 months   *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 (GoogleTest)
[-] 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, GoogleTest, iOS, JavaScript, macOS, QML, Qt5, Qt6, Windows*

Senior Software Development Engineer   **Televic Healthcare, Freelance**
July 2022 —– September 2022, 3 months   *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, Qt5, Unix*

Senior Software Development Engineer   **Pix4D, Full-time**
December 2020 —– March 2022, 1 year 4 months   *Madrid - Community of Madrid - Spain, Hybrid*

[-] Development of a drone-flight-planning mobile application Pix4Dscan
Skills: *Android, Bash/sh, C++, C, CMake, Concourse, Confluence, GoogleTest, git, iOS, Jira, JSON, Kotlin, Linux, macOS, QML, Qt Test, Qt5, Scrum, Swift, Unit testing, XML*

Senior Software Development Engineer   **Digital Essence, Freelance**
June 2020 —- July 2020, 2 months   *Montreuil, Seine-Saint-Denis - Île-de-France - France, Hybrid*

[-] Development and integration of a control panel in a projection mapping software HeavyM
Skills: Agile, C++, QML, Qt5, Qt Widgets

Software Development Engineer   **Parrot Faurecia Automotive, Full-time**
November 2018 —- May 2020, 1 year 7 months   *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, QML, Qt5, TCP/IP, UI, UX, Windows, XML

Software Development Engineer   **PSA via Segula Technologies, Direct Contract**
August 2018 —- November 2018, 4 months   *Vélizy-Villacoublay, Yvelines - Île-de-France - France, On-site*

[-] Development of a 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 synchronised
Skills: Agile, Bash/sh, C++, CAN, Git, QML, Qt5, TCP/IP, Unix, Windows

Embedded Systems Engineer   **Continental via Ausy, Direct Contract**
May 2018 —- August 2018, 4 months   *Rambouillet, Yvelines - Île-de-France - France, On-site*

[-] Specification, development, and validation of a tell-tales system connected to CAN bus
Skills: C, CAN, Enterprise Architect, Green Hills MULTI, Renesas RH850/F1L(176 pins), V-Model

Systems Integrator   **Visteon via Ausy, Direct Contract**
September 2017 —- April 2018, 8 months   *Cergy, Val-d'Oise - Île-de-France - France, On-site*

[-] Hardware and software integration of level-3 autonomous driving equipment in a Volkswagen Golf GTI Mk7
[-] Qt/QML expertise for Kanzi-replacement
Skills: Bash/sh, C++, CommonAPI, hrefhttps://franca.github.io/franca/Franca, Linux, NVIDIA Drive™PX2, QML, Qt, vSomeIP

Software Development Engineer   **Magneti Marelli via Ausy, Direct Contract**
March 2016 —- June 2017, 1 year 4 months   *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, Qt5, Windows

Software Development Engineer   **PSA via Alten, Direct Contract**
June 2014 —- February 2016, 1 year 9 months   *Vélizy-Villacoublay, Yvelines - Île-de-France - France, On-site*

[-] Development of a QML plugin for encapsulating CAN frames in TCP packets
[-] Development of Citroën's concept car GUI, 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, C++, CAN, Confluence, git, Jira, Linux, Photoshop, photoshop-qmlexporter, QML, Qt5, 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