

JAVIER RAMIREZ

Software Engineer

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 Lyon, France

 <https://javier-ramirez-leiva.github.io/>



Passionate software engineer dedicated to making a positive impact. With a global perspective gained from experiences in France and Spain, I have diverse expertise spanning CAD, automotive industry, security, and IoT. Presently employed at Dassault Systèmes in Lyon, France.

EXPERIENCE

Dassault Systemes / Software Engineer08/2019-Present

Electrical System Design app inside the CATIA portfolio of the 3DEXperience platform from Dassault Systemes.

- C++ development for CAD and PLM applications to design electrical systems on Windows and Linux OS
- CI/CD processes and enhance workflow efficiency through the development of tools using Python and Bash scripting
- Develop UI elements utilizing web technologies to improve the user interface and overall user experience
- Draft detailed technical software specifications and plan strategies for unit testing
- Design software architecture with a primary focus on reusability, modular frameworks and enhanced flexibility
- Define models for Model-Based Systems Engineering (MBSE) to contribute to the engineering process

Continental / Software Engineer01/2017-08/2019

AKKA Technologies on behalf of Continental Automotive France SAS. ECU software development to control a Direct Injection Engine inside the new E-Power technology for Nissan.

- Design of the system architecture for a real-time application. Focus on software reliability
- Software development on C/C++ code conforming the AUTOSAR standard
- Python and Perl scripting to automate the creation of tests for both validation and non-regression purposes
- Team management, AKKA for Continental. Technical guidance and support to fellow employees
- Develop a structured workflow for the internal code review process, supported by an automated system

Rockwell Collins / Software Engineering Intern03/2016-09/2016

Security application to control cameras using the detections made by the radar FMWC PSR-500

- C++ development using the QT framework for Windows and Linux OS
- Plan and specify validation tests to ensure the quality and reliability of software
- Create software mock-ups tailored for customer demonstrations.

EDUCATION

Master of Engineering. Electrical and Electronic engineering
ENSEEIHT (Ecole Nationale Supérieure d'Electrotechnique, d'Electronique, d'Informatique, d'Hydraulique et des Télécommunications)
2015 - 2016

Master of Engineering. Electrical and Electronic engineering
UPNA (Universidad Publica de Navarra)
2014 - 2015

Engineering degree. Electronic engineering
Universidad de La Rioja
2010 - 2014

SKILLS

Programming Languages

C, C++ (C++ 11)
Python (3.0), Bash, Perl, VBS
HTML, Javascript, CSS

Software Applications

Visual Studio, QT IDE, Eclipse
Git, CMake
CATIA, 3D Experience, Matlab

Technologies

Embedded systems
CAD, System Engineering
Real-Time, Multicore,AUTOSAR

Development Methods

V Cycle, Agile
Object Oriented Programming, design Patterns, TDD
CI/CD, Unit Testing, Automatic Testing

LANGUAGES

- Spanish(Native)
- English(Full professional proficiency)
- French(Full professional proficiency)