

SUMMARY OF QUALIFICATIONS

- **5 years'** experience in embedded systems engineering
- Strong background in automotive systems and mechatronic product development
- Good listener, perseverant, solution-oriented, team worker, self-learner
- Demonstrated ability to work in multicultural environments (EU / ASIA / USA)
- **Bilingual**, English and French
- Skilled in LIN, CAN, APQP, 2D/3D analysis, FMEA, Multi-project management
- Proficient in Microsoft Office / CATIA V5 / CATIA Composer / Mentor Graphics (Capital Harness System) / ENOVIA (3DCOM) / SAP
- Member of the Project Management Institute, **PMP certified** (PMP® #2552550)

PROFESSIONAL EXPERIENCES

Project Engineer (Automotive Industry - Product Development) 2015 – 2019

ALTRAN Morocco for PSA Peugeot Citroën Group, Casablanca, Morocco

Leader in R&D/Technology consulting (present in over 23 countries, including Canada)

Objective: Ensure the ECUs hardware reliability of different suppliers: AMVAR (Active damping control unit - Kyb, Continental), BVA (Automatic gearbox control unit - Aisin, ZF) and CMM (Engine control unit - Delphi)

- Led the product definition process from requirements definition through design, development, validation & verification, and introduction to production
- Reviewed each change request, evolution on the PCB and resolve the problems faced
- Analyzed the quality, delay and cost impact regarding the proposed solutions
- Examined the respect of Environmental/Mechanical, EMC and Serious Short Circuit standards and regulations
- Created/Updated hardware technical specification
- Chaired and participated in various meetings and technical reviews in synergy with the concerned stakeholders (Projects managers, suppliers, experts, validators, buyers, quality managers, designers)

Key achievement: Gained client's trust by obtaining 40 additional projects (Embedded systems: ECUs / sensors / actuators)

Technical Consultant (Automotive Industry - After Sales Diagnostics) 2014 – 2015

ALTRAN Morocco for PSA Peugeot Citroën Group, Casablanca, Morocco

Leader in R&D/Technology consulting (present in over 23 countries, including Canada)

Objective: Creation of 3 deliverables useful for after sales diagnostics

- Explained in detail a vehicle function, its deactivation/activation conditions and Illustrated in **2D/3D** all the electronic components involved
- Identified the right configurations to set up in the ECU manual configuration
- Explored the trouble codes that an ECU can generate and diagnosed their presence
- Consulted/Designed the 2D/3D drawings and harness wiring diagram

Key achievement: Handled all the 3 types of deliverables, I was the only one having multidisciplinary skills in a team of 15 engineers

Cloud Computing Developer (Graduation internship - IT Network/Coding) 2013

SPIE Morocco, Casablanca, Morocco

Electrical & telecommunication consulting (present in over 14 countries)

Objective: Developing an open source Cloud Computing platform (PAAS)

- Created and organized servers and virtual machines
- Secured the access, network, applications, and the platform - Made an IPtables interface
- Ensured flexible access "anytime/anywhere" via VPN
- Guaranteed the easy management of resources and the platform (jQuery/MySQL/PHP)

Preventive Maintenance Responsible (Internship - Automation/Supervision) 2012

OCP S.A, El-Jadida, Morocco

One of the world leaders in the market of phosphate and its derivatives with over 160 clients across the five continents

Objective: Implementing a solution to remote reading data from energy meters

- Decrypted all registers accessible by the MODBUS protocol
- Transmitted the needed data from "PowerLogic Power Meter" PM800 series to the control room
- Improved the supervision: energy balance, electricity grid state

VOLUNTEER EXPERIENCES

Active Member 2016 – 2019

"RIGHT PATH", Casablanca/Marrakesh, Morocco

- Conducted social projects designed to tackle local issues in alignment with global directions

External Relation Coordinator 2013 – 2014

AIESEC (LC ANFA), Casablanca, Morocco

- Promoted the organization brand in the local market for future collaboration
- Closed deals with local schools, universities and companies

EDUCATION

Engineer in Electronics and Telecommunications systems 2013

National Superior School of Electricity and Mechanics, Casablanca, Morocco

(Equivalent to a Master degree according to the **WES**: World Education Services)

REFERENCES

- Available Upon Request