



LOUBNA KHANAOUCHI

ROBOTICS SUPPORT ENGINEER AGV, N3

Automation and industrial IT engineer with a master's degree in electronics, specializing in smart sensors and quality of electronic systems (CISE). Currently serving as a technical support engineer in robotics – AGV, involved in international projects focused on mobile robotics and industrial automation. Passionate about technological innovation, I am eager to join a dynamic organization where I can contribute to impactful projects in the fields of electronics, automation, and industrial systems.

4 Quai du 19 Mars 1962,
Châtelleraut, France

Date of Birth: March 27, 1990

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Technical Skills

Electronics & Electrical Engineering

- Digital and analog electronics
- Electrical networks and power electronics
- Electrical machines
- Sensor technologies

System Analysis & Automation

- Functional analysis and diagnostics
- Fault diagnosis and incident resolution in automated environments
- Control systems and industrial automation
- PCB design and prototyping
- SMED, FMEA, and maintenance optimization

Project & Service Coordination

- Deliverables tracking (planning, reporting, coordination)
- Interdepartmental communication (project teams, clients, support)
- Experience working in multicultural environments (international support)



Professional Experiences

ROBOTICS SUPPORT ENGINEER AGV, N3 Kion group -
Châtelleraut - CDI
From 05/2022

- Diagnose and propose solutions for complex hardware/software issues related to AGVs.
- Lead service-related deliverables: service concepts, technical documentation (operator manuals, workshop documentation, maintenance plans, diagnostic tools, spare parts catalogs)
- Plan and manage service activities in alignment with AGV project timelines.
- Track and report deliverable progress to internal and external stakeholders.
- Maintain proactive communication with customers, internal teams, and the global after-sales network.
- Actively contribute to the development and validation of new AGV models
- Coordinate and share technical information across the after-sales network.
- Provide international on-site support for AGV automation projects
- Perform direct intervention on-site to resolve critical AGV incidents.
- Define, propose, and standardize field service processes for AGVs.

Electronics Design Engineer ESEO Angers - Angers –
Final-year internship.
03/2021 - 09/2021

Study and development of a complete low-power wireless sensor solution for monitoring the health status of cattle

- Selected appropriate sensors to achieve the best possible balance between performance, integration, and low energy consumption
- Designed electronic schematics and PCB prototype using Altium
- Built the first prototype at ESEO
- 3D printing of the PCB through Eurocircuits
- Soldered sensors and various components onto the board

Procurement Engineer :

Saint-Gobain – Meknes, Morocco (Permanent contract)
02/2018 – 05/2018

- Monitored stock movements using internal software to anticipate procurement needs

Volunteer – CIF SP

Human commitment in support of intergenerational solidarity within an associative framework.

- Managed order placements and coordinated delivery planning with suppliers.
- Supervised reception and quality control of incoming goods.

Continuous Improvement Engineer (Internship)

Saint-Gobain – Meknes, Morocco

11/2017 – 02/2018

- Implemented SMED (Single-Minute Exchange of Die) methodology to optimize changeover times on production lines
- Analyzed internal and external steps, standardized procedures, and significantly reduced downtime

Maintenance Engineer (Internship)

Best Biscuit Maroc – Casablanca, Morocco

10/2016 – 01/2017

- Applied FMEA (Failure Modes, Effects, and Criticality Analysis) to enhance equipment reliability

Automation Engineer (Internship)

Groupe Managem – Marrakech, Morocco

03/2015 – 08/2015

- Designed and implemented automated systems to optimize industrial production processes.
- Worked with Siemens PLCs for system control and monitoring.

Education

Master's Degree – Smart Sensors and Quality of Electronic Systems

UFR Sciences et Techniques, University of Nantes – Nantes, France
09/2020 – 09/2021 | With Merit

Master's Year 1 – Automation, Electronics, and Electrical Energy

UFR Sciences et Techniques, University of Nantes – Nantes, France
09/2019 – 08/2020

Engineering Degree – Automation and Industrial IT

EMSI (École Marocaine des Sciences de l'Ingénieur) – Morocco

Languages

French – Bilingual

English – Bilingual