| Curriculum vitae |
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| **Cherif Ahmed Razem**  **Automation engineer**  **12 years of experience**  **razem\_cherif@outlook.fr**  **+213 560.16.16.90**  **https://www.linkedin.com/in/razem-cherif/**  Cité Rabia Taher - Bab Ezzouar - Alger |
| **Technical skills** |
| | **Programmation / Simulation** | PLC ( Siemens TIA Portal, Step7, ladder, Grafcet )  Robot Denso ( PAC, PacScrit,) RC8 , Robot Hyundai (HRspace) Hi5 ,  Wincaps III, RoboDK, RT ToolBox 3 Mitsubishi robot | | --- | --- | | **Robot Mobile Autonome** | Robot MIR, integration MiR-Fleet, AMR Nipper | | **Vision** | Sea Vision, Cognex, Omron, Keyence | | **Electrical Engineering** | - Power analysis, Installation planning, Schematic diagram (single-line/multi-line), Functional analysis  - Mechanical preparation, Implementation, Labeling, Wiring, Quality control | | **Qualification** | Writing and executing IQ, OQ, PQ / FAT / SAT protocols | | **Procedures** | CAPA, GAMP, GMP, Six Sigma, Lean Manufacturing | |
| **Functional Skills** |
| * **Proven Leadership:** Ability to lead and motivate teams to achieve project objectives. * **Effective Communication:** Excellent interpersonal skills allowing for smooth interaction  at all hierarchical levels. * **Proactivity:** Ability to identify and resolve issues upstream to minimize project impacts. * **Adaptability:** Skill in adjusting to changing work environments and new project requirements. * **Negotiation:** Sharp skills for effectively managing relationships with suppliers and partners. * **Demonstrated Leadership:** Successful experience leading projects and managing cross-functional teams**.** * **Exceptional Language Proficiency:** Multilingual with full professional proficiency in **Arabic, English, Italian** and **French.** |
| **Professional experience** |
| **Technical Engineer @ K.L.A.IN Robotics Srl, Brescia, Italie**  April 2019 - Present (~5 years) |
| **Objective: Design, programming, simulation, and optimization of robotic systems and automated processes for various industrial sectors.**  **Mission :**   * + Integration of automation components: DENSO, Hyundai robots, PLCs, vision systems, etc.   + Comprehensive training and technical support to partners and customers on robots, machines and equipment   + External design and realization of special machines via collaboration with system integrators and specialized companies (ADAT S.r.l - Italy, CGO Mécanique - CANADA, LM-Electric - Algeria...)   + Technical-commercial responsibility and prospecting in the North Africa region   **Projects: Robotics Research Laboratory, Tizi-Ouzou University January 2022**   * In-depth analysis of the laboratory's specifications and technical requirements * Establishment of a complete offer including technical specifications, sizing and budgeting * Design and realization of 4 robotic cells (2 4-axis robots, 2 6-axis robots) * Development of dedicated gripping solutions with Gematic electric grippers * Design and manufacture of electrical control cabinets, wiring of DENSO RC8A controllers * Installation and commissioning of the 4 robot cells at the end customer site * Theoretical and operational training of teaching staff and doctoral students * Skills transfer on DENSO robot programming, operation and maintenance * Establishment of a periodic and reactive maintenance contract * Management of a strategic spare parts stock for rapid troubleshooting * Technical assistance and remote support to ensure business continuity   **Projects: Design of special machine for probe connector in collaboration with ADAT and CGO MÉCANIQUE**   * Precise definition of the system's technical specifications (speeds, tolerances, rates, etc.) * Proposal of a technical solution with a 6-axis DENSO robot equipped with an interchangeable micrographic double-grip system * Design of a standard vibrating tray feeder coupled with a dual-camera vision sorting/orientation system * Schematic diagram of the electrical cabinet for integrating the RC8A robot controller and vision PC * Implementation of a collaborative approach combining robotics (KLAIN Robotics), industrial vision (ADAT) and mechanical/integration (CGO Mécanique) expertise   **Project: DJAZAGRO 2022 - Professional Exhibition for the Food Industry**   * Identification and contact with ITA (Italian Trade Agency), Italian foreign trade promotion agency to obtain a  stand at Djazagro 2022 * Supervision of promotional tools creation (brochures, flyers, decor items) * Networking and establishing partnerships with other exhibitors/companies/officials * Detailed reporting and feedback to management * Definition of a tailored communication strategy and precise marketing objectives for the exhibition |
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| **Automation Engineer & Maintenance @ CAMS.A.V, Alger, Algérie**  July 2012 - March 2019 (~6 years 8 months) |
| **Objective: Maintenance, installation, and improvement of machinery and equipment for the pharmaceutical industry.**  **Mission :**   * + Assembly and installation of primary and secondary packaging machines   + Design and implementation of automated solutions to optimize production processes   + Integration and validation of vision-based quality control systems for sorting/inspection   + Writing of technical documents (specifications, qualification protocols, reports)   + Execution of IQ/OQ/PQ protocols and FAT/SAT testing and verifications   + On-site technical support and customer assistance   + Management of the entire lifecycle of equipment and production lines   **Projects: Design and realization of a bottle feeder for cartoning machine with 4-axis robot (Pick & Place)**   * Definition of detailed technical specifications (travel, loads, precision, target rates) * Mechanical design of the robotic cell: feed conveyor, pick area * Selection of DENSO 4-axis robot and appropriate gripping tools * Feasibility studies and cycle simulations on Wincaps III * Design and manufacture of integrated electrical control cabinet * Programming of DENSO robot in pick & place mode per defined cycles * Development of HMI for rate supervision and format changeovers * Integration of cell into existing cartoning line (mechanical/electrical) * Installation validation and writing of IQ/OQ qualification protocols * Installation, commissioning, qualification with technical support and process optimizations |
| **Education** |
| **DENSO Robotics Level 2 Programming and MiR Mobile Robot Maintenance Mastery**  September 2019 - October 2019 - K.L.A.IN Robotics |
| **Military Officer Training**  September 2015 - September 2016 - Field Artillery Application School, Boussaada |
| **Modul HSL Training for Blister Machines**  May 2014 - Partena, Modena, Italy |
| **DENSO Robot Programming Training**  April 2013 - May 2013 - K.L.A.IN Robotics |
| **Master's in Systems Automation**  September 2008 - September 2013 - University of Dr Yahia Fares, Médéa, Algeria |