GHALMI Mohamed Ayad

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Address: Boumerdes, Algeria

Professional Objective

Industrial Automation Engineer with hands-on experience in maintenance, troubleshooting, and commissioning of automated systems. Seeking a new opportunity to leverage my technical skills and actively contribute to the continuous improvement of industrial performance.

Skills

PLC Programming & Troubleshooting : Allen-Bradle, Siemens, Proficient in IEC 61131-3 programming languages for programmable logic controllers (PLCs)

HMI Design & Implementation: Design and configuration of various HMI models

Variable Frequency Drives (VFDs): Installation and parameter configuration

Electrical Engineering: Industrial wiring, control panels, power distribution cabinets, electrical enclosures, electrical troubleshooting, preventive maintenance, corrective maintenance, reading electrical schematics, P&ID interpretation

Languages: Arabic (Native), English (Professional), French (Professional)

Experience

Automation Engineer, Alwaha International – Boumerdes   07/2025 – Present

- Perform troubleshooting and corrective maintenance on PLC-controlled industrial machines.
- Diagnose electrical and automation faults to reduce production downtime.
- Install, configure, and commission Schneider Electric and ABB Variable Frequency Drives (VFDs).
- Set drive parameters, perform motor tuning, and conduct functional testing.
- Migrated Siemens SIMATIC S5 systems to Siemens SIMATIC S7-1200 using TIA Portal.
- Reprogrammed PLC logic, replaced hardware, performed I/O testing, and completed system commissioning.
- Resolved motor speed synchronization issues on Allen-Bradley SLC 500 systems using RSLogix 500.
- Installed and configured SMKON HMI for industrial mixing machines.

Education

Ahmed Kendil High School – Baccalaureate in Electrical	2018
National Higher School of Public Works – 2nd Year Preparatory Class	2021
Faculty of Technology, University of Boumerdes – Bachelor's Degree in Automation	2023
Faculty of Technology, University of Boumerdes – Master's Degree in Automation	2025