**Osama Alajarmeh**

**Local to Hollywood ,FL**

**Summary**

* Control Engineer with experience and formal education focused in control systems, automation and project Management.
* Designing electrical and pneumatic schematics for industrial machinery, ensuring functionality and efficiency.
* PLC and HMI configuration, programming, commissioning, specifying, and troubleshooting to optimize industrial automation systems.
* Led the planning, design, installation, testing, and commissioning phases for automation and control systems in water treatment plants, wastewater facilities, and movable bridges
* Designed engineered submittals for control systems projects, including panel design, electrical schematics and PLC logic, to meet project requirements and standards.
* Eager to contribute technical expertise and project management skills to a dynamic team, fostering growth and

innovative solutions.

**Employment History**

**Champion Controls, Fort Lauderdale, Florida Aug 2023 –Present**

**Project Manager Controls Engineer**

* Designed engineered submittals for control systems projects, including panel design, electrical schematics and PLC logic, to meet project requirements and standards.
* Specified, installed, and calibrated field instruments, including flow meters, pressure transmitters, level sensors, and valve actuators to ensure accurate process control
* Led the planning, design, installation, testing, and commissioning phases for automation and control systems in water treatment plants, wastewater facilities, and movable bridges.
* Led system integration, factory acceptance testing (FAT), and site acceptance testing (SAT) to validate control systems for operational readiness.
* Diagnosed and resolved electrical and software issues on-site to restore functionality quickly and minimize downtime.
* Created detailed functional descriptions, I/O lists, loop diagrams, and operation manuals for smooth maintenance and troubleshooting.
* Provided training to operators and maintenance personnel, ensuring smooth handover and longterm operational success.

**PrimeTest Automation, Fort Lauderdale, Florida JAN 2022 –Aug 2023**

**System Integrator and Controls Engineer**

* Designing electrical and pneumatic schematics for industrial machinery, ensuring functionality and efficiency.
* PLC and HMI configuration, programming, commissioning, specifying, and troubleshooting to optimize industrial automation systems.
* Safety circuit design, ensuring compliance with regulatory standards and enhancing system reliability.
* Integration of separate pieces of equipment constituting a manufacturing process.
* System startup procedures, ensuring smooth operation and readiness of industrial automation systems.
* Trained customers on system operation, maintenance, and basic troubleshooting to ensure effective use and longevity of equipment.

**Industrial Electric and Electronic Arab Center, Amman, JORDAN JUN 2019 – DEC 2019**

**Engineering Internship Program**

* Control panel wiring with precision and adherence to industry standards.
* Electrical panel testing and troubleshooting includes procedures review and safety requirements.
* Installation and calibration of proximity switches, pressure switches, and actuator valves.
* VFD configuration and commissioning, ensuring optimal performance and system integration.
* Electrical schematic design, creating detailed and accurate diagrams for system

**Education**

* TAFILA TECHNICAL UNIVERSITY (TTU) TAFILA, JORDAN , Bachelor’s Degree in Mechatronics Engineering Sep 2019
* Focus: PLC systems, HMI panels, SCADA and Motion Control Systems

**Skills**

* AutoCAD Electrical
* PLC programming using Studio 5000 and TIA Portal
* SCADA and Motion Control systems
* HMI design
* Commissioning and operation of AC drives and motors
* Instruments calibration