

ANDRES VILLALBA

Technologist in Industrial Instrumentation and Control

+1 672 200 4171 villano437@gmail.com

andresvillalba437@hotmail.com

Personal Statement:

I am a highly flexible professional with experience in construction project inspection, metrology, and quality management.

I have extensive knowledge in metrological assurance and calibration of measurement equipment, as well as diagnosing and performing corrective and preventive maintenance on electronic measuring devices. I am also knowledgeable in technical standards and good laboratory practices.

My versatility allows me to provide support in the field of instrumentation and control. My basic knowledge includes reading and interpreting blueprints, operating heavy-duty vehicles, and using manual and power tools, always applying industrial safety standards.

I have demonstrated skill in project management within the construction sector, with leadership and teamwork abilities. I am dynamic, proactive, and always willing to face new challenges. My flexibility and broad range of skills make me a valuable and versatile resource in any work environment.

Key Competencies

- **Commitment to Excellence:** Demonstrated dedication to maintaining high standards of quality and delivering outstanding results.
- **Strong Work Ethic:** Characterized by diligence, discipline, and a results-oriented approach.
- **Adaptability:** Proven ability to adapt and work effectively in changing circumstances.
- **Analytical Thinker:** Strong aptitude for analyzing complex data and making informed decisions.
- **Team Player:** Collaborative mindset, with a history of successful teamwork and the ability to contribute positively to a diverse learning environment.
- **Leadership:** Successful leadership experience, including leading a talented team to deliver exceptional results in a collaborative work environment.

Academic Qualifications

B.A. of Electronic Engineering	2024
Institución Universitaria Salazar y Herrera IUSH	
Industrial Instrumentation Technologist.	2013
Politecnico Jaime Isaza Cadavid	
High School Education	1996
San Pedro Claver School	

Training & Professional Development

Course: Operators in Gas Plants	2024
UTEPSA Universidad Tecnológica Privada de Santa Cruz	

Course: Operation of Distributed Control Systems (DCS) 2024

UTEPSA Universidad Tecnológica Privada de Santa Cruz

Course: - Course in Industrial Welding: Welding Processes GTAW 2019

Fillet and Butt Welding, Oxy-Acetylene Welding (OAW), Shielded Metal Arc Welding (SMAW) with coated electrode, MIG/MAG Welding, TIG Welding

University EAFIT

Course: Internal Auditor in Management System for Testing and 2015

Calibration Laboratories NTC-ISO/IEC 17025:2005 under the guidelines of the NTC-ISO 19011:2012 Standard

Universidad de Antioquia

2015

Course: Quality Management System under NTC-ISO/IEC 17025:2005 Standard for Testing and Calibration Laboratories, and Good Laboratory Practices according to Resolution 3619

Universidad de Antioquia

Course: Logistics Management of Stock, Warehouses, and Storage 2007

Seminarios Andinos Capacitación y Logística Publicaciones

Recent Work Experience

Empresas Públicas de Medellín (EPM)- Assistant Technologist 2017 - 2023

- **Support in Project Inspection:** Electrical, Mechanical, and Instrumentation Areas: Provided cross-functional support in the supervision and management of projects in these fields.
- **Instrumentation and Control:** -Assistant technologist in instrumentation and control.
-Assisted the lead professional in all phases of the assigned projects.
-Participated in the commissioning, handover to operations, and startup of control and communication equipment.
- **Mechanical Area:**
-Project Participation:
-Execution and startup of aqueduct and pumping system projects.
-Installation of pipelines for PEAD polyethylene and steel conduits and drives.
-Support Activities
-Welder qualification.
-Monitoring and assistance in the installation and startup of cathodic protection systems.
- **Quality Assurance:**
-Requirements and Validation:
-Monitored and validated requirements to ensure quality in welding, cathodic protection systems, hydrostatic testing, disinfection, and surface treatment for PEAD pipeline installation.
-Equipment Control:
-Reception, control, and inventory of mechanical equipment and instruments designated for the area's projects.

- **Blueprint Reading and Interpretation:**
 - Project Execution:
 - Read and understand blueprints for the correct execution of projects.
 - Review and Support:
 - Supported project execution, including reviewing quantities and design specifications.
 - Conducted market research and used JD Edwards profiles for creating work orders and cataloging.
 - Adjusted the structure for document coding in the VAULT platform for the area.
- **Other**
 - Fasteners and Tools: Conducted inventory of fasteners and manual and power tools in warehouses.
 - Warehousing and Labeling: Responsible for the storage, warehousing, labeling, and counting of fasteners and manual and power tools.
 - Order Coordination
 - Dispatch and Customer Service: Coordinated order dispatch and provided customer service.
 - Support Driving:
 - Order Delivery: Acted as a support driver for order deliveries.

Early Career

Instrumentation and Metrology Coordinator Comercializadora SyE y Cía S.A	2013 - 2017
Service Delivery Coordinator. Red Metrológica de Antioquia	2012 - 2013
Metrology Technician T & S Group Service	2012 – 2012
Warehouse Manager Mundial de Tornillos S.A	2006 - 2008

Languages

- **Spanish:** Native language
- **English:** Basic