

Oscar Mejia
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Technical Proficiencies

Programming: Python, C++, C#, Java, Kotlin,
Python, SQL, JavaScript, CSS, AWS

Linguistic: English, Spanish

DBMS: Firebase, SQL

Education

Automation Engineering with specialization in Instrumentation & Process Control.

Engineering Skills

FPGA:

- *Protocols:* SPI, I²C, CAN-bus
- ADC / DAC PWM signal processing, ultrasonic devices, thermometers, displays, LabView, PCB design

Programmable Logic Controllers (PLC) and Distributed Control Systems (DCS):

Siemens Serie 1200 & Allen Bradley Micrologix 1500

- *Protocols:* PROFINET I / O, Modbus, HTML / TCP / IP, HART
- *Devices:* RFID, HIM, variable frequency drives, pumps, control valves, level transmitters, flow transmitters, pressure transmitters, thermocouples, limit switches
- *Applications:* Temperature, pressure and level PID loops, hydraulic and pneumatic systems.

DCS Emerson DeltaV

- *Protocols:* HART, Modbus TCP / IP
- *Devices:* Level transmitters, flow transmitters, thermocouples, control valves, pumps, variable frequency drives
- *Applications:* Temperature and level PID loop modules, digital interfaces design

Work Experience

Project Manager Independent; Queretaro, Qro., Mexico

2019-2021

- Remotely developed digital systems projects through the Upwork.com platform for automotive technology companies..
- Developed mobile applications for android.
- Instructed international clients on how to use DCS Emerson Delta V through online platforms.

P&ID Draftsman at Cryoinfra; Queretaro, Qro., Mexico

2019

- Drafted P&ID and developed control philosophies.