Contact:

Phone: +526565741161
Email: Josesotoreza@gmail.com
Portfolio: https://josereza.github.io/
Address: Paseos de las mariposas 8671. Frac. Paseos del Alba

Language Proficiency:

Native Spanish
Intermediate English

- Reading 90%
- Writing 90%
- Listening 70%
- Speaking 70%

Background.

Programming
electronics
Telecommunications

Gallery

link

Certifications

link

José Rosendo Soto Reza

Mechatronic Engineer

Mechatronic engineer with knowledge of programming, electronics, major specialization in multiplatform application development.

Robert Bosch

Job title:	Application developer technician
Learning:	Web applications deployment and development
Start date:	June 2022
End date:	December 2023

Tecnológico Nacional de México Campus Cd.Juárez

Title:	Student
Learning:	Electronics, mechanics, control, programming
Start date:	August 2018
End date:	December 2022

Nodo de creatividad, innovación y emprendimiento de cd. Juárez

Title:	Intern
Learning:	Internet of Things (IoT) technologies and Web development.
Start date:	February 2019
End date:	June 2022

Centro de Bachilerato Tecnológico e Industrial No.128

Title:	Student
Learning:	Electronics
Start date:	August 2015
End date:	June 2018

Research and projects

Investigation: How Does Industrial Internet of Things (IIoT) Work?

Research and development of a general scheme summarizing the operation of the Industrial Internet of Things (IIoT).

Link

Node-Red course

Course about software for Internet of things concept, visual programming using nodes and machine interconnectivity.

Link

PlcNode

Design and development of an industrial module similar to a programmable logic controller.

Link

Implementation of Welding Machine Connectivity.

Implementation of IoT connectivity to a spot-welding machine, controllable from a web interface.

Link

Electronics.

• Reading and interpretation.
of electrical diagrams.
• Ohms law.
• Kirchhoff's Law.
• Knowledge and practice
use of the multimeter.
• Knowledge and practice
use of breadboard.
• Connection of circuits in
direct current.

Programming.

• Synchronous programming.
• Asynchronous programming.
• Oriented Programming
to the objects.
• Modular programming.
• Interface development
user (Communication
Machine Man).
• Machine-Machine Communication (M2M).
• Signals processing.
• Control and monitoring of
Hardware.

Continuos deploy integration.

Jenkins.
Docker

Languages.

• C++.
    Arduino
    Gcc
    Platformio
• JavaScript (client,
server) and typescript.
    Node js
    Ts-node
    Angular
    React
    Vue
    Express
• HTML.
• Css.
    Bootstrap
    Bootswatch
• Python.
    Flask
    Micropython
    Brython
• Bash script.

Protocols

TCP/IP protocol.
• Serial protocol.
• Communication through plugs.
• HTTP Protocol (GET, POST, PUT, DELETE)
• Packaging of information in JSON format.

Computer packages office.

• Word.
• Excel.
• Power Point.
• One Note.

Embedded systems.

• Pic 16f886 starter kit.
• Esp32.
• Arduino Uno.
• Arduino Mega.
• Arduino Leonardo.

Microcomputers.

• Raspberry Pi 3b+.
• Raspberry Pi 4.
• Beaglebone black.

Operating systems.

• Windows.
• Linux.
    Rheel.
    Ubuntu.
    Raspbian.
    Orange Pi Os.

Control.

• Proportional control.
• Proportional-Integral Control.
• Proportional-Derivative Control.
•PID control.

Programmable logic controllers.

• Plc Allen Bradley 1000 y
1200.
• Plc Siemens S7.