Contact:

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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.

Fletes México

Job title:	Systems engineer developer
Learning:	Web applications deployment and development
Start date:	August 2024
End date:	Present

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

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

Recreational Software for develop music.

Project Software for programming melodies and/or choruses using the Tone.js library in JavaScript.

Link

Recreational Software Development for 3d rendering scenes in frontend

Project Software for programming 3d scenes using Three js library and enable 3d.

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
• Java and Spring Boot
• 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.

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.