

## Contact:

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## Language Proficiency:

Native Spanish  
Intermediate English

- Reading 90%
- Writing 90%
- Listening 60%
- Speaking 60%

## Conocimientos.

Programación  
Electrónica  
Telecomunicaciones

## Galería

[Enlace](#)

## Certificaciones

[Enlace](#)



## José Rosendo Soto Reza

### Ingeniero mecatrónico

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

### Robert Bosch

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

### Tecnológico Nacional de México Campus Cd.Juárez

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

### Nodo de creatividad, innovación y emprendimiento de cd. Juárez

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

### Centro de Bachillerato Tecnológico e Industrial No.128

<b>Title:</b>	Student
<b>Learning:</b>	Electronics
<b>Start date:</b>	August 2015
<b>End date:</b>	June 2018

## Investigaciones y proyectos

### **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](#)

### **Recreational Software Development Project**

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

[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.

Conference 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 systems.

Jenkins.  
Docker

## Languages.

- C++.
- JavaScript (client, server).
- HTML.
- Css.
- Python.
- Micropython.

## 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.

## Sistemas neumáticos.

- Festo didactic.

## Programmable logic controllers.

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