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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

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

Nodo de creatividad, innovación y emprendimiento de cd. Juárez

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

Centro de Bachillerato Tecnológico e Industrial No.128

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|-------------|-------------|
| 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.