**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

|  |  |
| --- | --- |
| **Job title:** | Application developer technician |
| **Learning:** | Web applications deployment and development |
| **Start date:** | June 2022 |
| **End date:** | Present |

Intermediate English

* Reading 90%
* Writing 90%
* Listening 60%

**Tecnológico Nacional de México Campus Cd.Juárez**

* Speaking 60%

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

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

**Conocimientos.** Programación Electrónica Telecomunicaciones

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

**Galería**

[Enlace](https://josereza.github.io/images/index.html)

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

**Certificaciones**

[Enlace](https://josereza.github.io/certifications/index.html)

**Centro de Bachilerato Tecnológico e Industrial No.128**

A person wearing headphones and smiling

Description automatically generated

**José Rosendo Soto Reza**

#### Ingeniero mecatrónico

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

**Robert Bosch**

**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](https://josereza.github.io/proyects/investigacion_iiot/index.html)

## Node-Red course

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

[Link](https://josereza.github.io/proyects/curso_node_red/index.html)

## Recreational Software Development Project

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

## [Link](https://canicanremaster.github.io/musicSoftware/)

**PlcNode**

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

[Link](https://automationnode.github.io/products/plcNode/index.html)

## Implementation of Welding Machine Connectivity.

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

[Link](https://josereza.github.io/proyects/maquina_soldadora/index.html)

#### Programming

#### • Synchronous Programming

#### • Asynchronous Programming

#### • Object-Oriented Programming

#### • Modular and Structured Programming

#### • Arduino C++

#### • JavaScript (Browser)

#### • JavaScript (Server) with Node.js

#### • TypeScript

#### • HTML

#### • CSS

#### • Python

#### • Micropython

#### • Git, Github, and Bitbucket

#### • Docker, Docker Hub, Mirantis

#### Communications

#### • TCP/IP Protocol

#### • MQTT Protocol

#### • HTTP Protocol

#### • JSON Format

#### • CSV Format

#### Microsoft Software

#### • Word

#### • Excel

#### • PowerPoint

#### Embedded Systems

#### • Pic 16f886 Starter Kit

#### • ESP32

#### • Arduino

#### • STM32

#### Microcomputers

#### • Raspberry Pi 3b+

#### • Raspberry Pi 4

#### • Beaglebone Black

#### • Orange Pi

#### Operating Systems

#### • Windows 7, 8, 10, and 11 (Windows Command Prompt, PowerShell, and WSL)

#### • Orange Pi OS

#### • Raspbian

#### • RHEL 7 servers (Bash commands, use of apt, dnf, and basic command