



# Jorge Ulises Madrigal Murillo

Mechanical Engineer with experience in maintenance, design, manufacturing and IT project development, with skills in personnel management, budget control, supplier and customer relations, and teamwork for the implementation of processes and continuous improvement.

## CONTACT

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## EDUCATION

- Mechanical Engineering ITESO (2021).

## SKILLS

- SolidWorks (Design, simulation and assembly, composer).
- Siemens Team Center
- Python
- Golang
- Linux
- SAP
- Microsoft office pack
- Maintenance of mechanisms.
- PLC

## CERTIFICATIONS

- ASSOCIATE-SolidWorks (Mechanical Design)
- Six Sigma - Yellow Belt

## LANGUAGES

- English
- Spanish

## COURSES/TRAININGS

- "Learning SOLIDWORKS Composer", LinkedIn Learning, september 19 ,2022.
- "Java Essential Training: Objects and APIs ", LinkedIn Learning, september 08, 2022.
- "Programming Foundations: Object-Oriented Design", LinkedIn Learning, september 06,2022.

LINK:

[All the courses/trainings](#)

## WORK EXPERIENCE

### Tata Consultancy Services

Mechanical Engineer  
08/2022-Current

Training in object-oriented programming: java

Designer Engineer for Baker Hughes project (Controls).

- Creation of 3D models, assemblies and drawings for various electric components, enclosures and harnesses according to the Engineering Change Notice(CN).
- Creation and review of bill of materials (BOM).
- Support for CAD migration process.
- Creation of a manual of errors and solutions for system problems with Teamcenter, Solidworks and servers.

### Sistema Intermunicipal de los Servicios de Agua Potable y Alcantarillado (SIAPA)

Maintenance area specialist  
07/2019 - 08/2022

Managed and supervised preventive and corrective maintenance services for the vehicle fleet, heavy and light machinery, as well as suction and pumping equipment in internal and external workshops.

- Conducted budget control and bidding procedures.
- Developed strategies to provide proper maintenance to vehicles, machinery, and equipment.
- Monitored the inventory and managed the acquisition of spare parts and tools in SAP.
- Updated procedure manuals
- Managed and updated databases using Excel tools (macros).

## PROJECTS

### STLGears.com

11/2022 - Current

Join Project with Gears website

- Updated the information and forms sections using HTML, CSS, and Javascript.
- Collaborated with the development team on Github to join the project with Gears website.

### Tecno Diesel

11/2021-05/2022

Joint project with manufacturing workshop and diesel service.

- Website development using HTML and CSS.
- Design, 3D modeling, plans for manufacturing tools and parts on request.
- Repair service for diesel injectors, pumps and actuators.
- Management of machines and tools (CNC, lathe and milling machine).