

Personal Information**Email:** martinezedgar@johndeere.com**Mobile:** (81)82063306**GitHub:** <https://github.com/emdlr>**Formal Education**

- IT and Communication Systems Engineer - **Bachelor's degree** (ITESM 2010)
- IT Administration – **Master's degree** (ITESM 2016)

Extra Courses and Certifications

- Global SAP ERP - [Certified](#)
- Scrum Master - [Certified](#)
- General Assembly Full Stack Software Engineer Certified (by 09/20/20)
- CMMI Project Management Course

Technical Summary OverviewSoftware

- Data Management/Modeling**
 - MS Office Packages (Excel, Access)
 - Oracle Forms – Advanced Oracle Developer
 - Sequelize ORM
 - pgAdmin
 - VEX for Business Warehouse in SAP
 - SQVI to model data in SAP
- Software Development IDE**
 - Microsoft Visual Studio .Net 2017
 - Eclipse
 - NetBeans 8.1
 - VSCode
- ERP Systems**
 - SAP R3 Enterprise IT and User Level
 - IJD Mexico CIIM System
- MES Systems**
 - DEERE MES (SAP)
 - AMES
- Project Management**
 - MS Visio 2012
 - MS Project 2012
- Factory Automation**
 - KEP Server by Kepware
 - Motorola 68HC11
 - Intel 8051

Programing Languages

- Assembler (Microcontrollers and PLCs)
- ABAP (Enterprise Config and Technical Experience)
- PL/SQL
- MS Visual Basic .Net
- HTML 5
- Java
- Python 3.8
- JavaScript
 - Execution Environment
 - Node.JS
 - Back End
 - Express
 - Front End
 - React JS

Database Administration

- Oracle 11g
- SQL Server 2018
- MySQL
- PostgreSQL 12

Operative Systems

- Windows Server 2008
- Linux Kernel java manchin
- Unix
- MacOs Catalina

Professional Experience Overview**IT Developer (2010 – 2011): Motores John Deere (AMES Team)**

Performing Analysis, development and Support of one the largest corporate manufacturing execution systems for the assembly and machining production lines in more than 10 John Deere facilities around the world, using several programming languages such as PL/SQL and Visual Studio (VB.NET and C#) including the integration with PLCs at the current controlling Kepware Version under the SCRUM methodology. i.e. driving lawn tractor transportation platforms throughout the production line and quality assurance in engine leak tests, smart piston read, engine production tracking, etc.

IT Analyst Sr. (2011 – 2013): Industrias John Deere (CIIM Manufacturing Team)

IT Applications representative, assigned to the newly deployed facilities in IJD Mexico (Frontal Loaders, Components/Cabins and Cylinder). Performing not only as their process's consultant in charge of their particular project portfolio but also as continuous manufacturing process analyst and developer. Experience that allowed me to interact and deal with higher hierarchy levels in the business and explore and implement solutions according to their varied needs.

IT Application Supervisor (2013-2015): Industrias John Deere (CIIM Manufacturing Team)

Team Supervisor of IT Analysts Sr. in charge of supporting all the manufacturing operations in IJD Mexico related to processes such as Order Fulfillment, Master Scheduling, Product Engineering, Material Management, Factory Automation, Production Control, Shop Floor and Shipping. I also led efforts as liaison between the local and new manufacturing system modules during the whole SAP Implementation project in IJD Mexico until its successful transition.

IT Analyst Sr. (2015 – 2015): Industrias John Deere (CIIM Manufacturing Team)

(Special Project) Software Engineer, assigned to one of the largest Company Technology upgrade projects in Mexico: Working along with internal and external Infrastructure teams, I was fully in charge of Server, Applications and database migrations to their latest versions at that time, including Operative Systems, programming languages and DB Upgrades for those applications that would not reside in SAP. This ensured alignment and proper workflow of the operations in Mexico's plants with other corporate, external and the new SAP solutions.

SAP IT Sales and Distribution Analyst (2015-2016): Industrias John Deere (Global IT SAP Manufacturing Team)

Performing as SAP consultant after formally getting certified, as part of the SD CI team, working under the SCRUM methodology providing, in charge of enhancing the Interfactory sales product (SIPS) that connects all the John Deere factories across landscapes with each other to trade finished products and components around the world with all the commercial imports and export implications. I was key player to carry out functional and technical specs in custom functionality, special configurations and their deployment during global SAP Implementations.

SAP Implementation Coordinator (2016-2018): Industrias John Deere (Global IT SAP Manufacturing Team)

Amazing challenge as becoming SAP Implementations Coordinator, expert representing and leading the SD Team throughout the (PCC to PAG Convergence projects for Canada Branch and USA Turf units, IMMEX Mexico project, and PDX to PAG IJD Argentina implementation) High role exposure carrying out the IT implementation project full life cycle coordination and leverage of available resources in which I could include my developer skills to come up with innovative automated testing, data loads and deployment in a more efficient way.

SAP Solution Delivery (2019 - 2020) : Industrias John Deere (Global IT SAP Manufacturing Team)

Performing into the IT SAP Mfg Experts Team for all the systems in JD driving through or integrating operations with the SAP platforms, such as PAG/AA, PDM, PDX, PA2. Main activities in this role were to advice, and lead teams to drive projects through the AGILE (SCRUM and others in Kanban) framework in order to bring the best options to upgrade current systems by integrating major architecture changes and business process testing plans, rolling out and deploying changes, projects such as (The PDX- SLO, S/4HANA Epic among others...

Full Stack Software Engineer (Current Role): John Deere Re-skilling Immersion Program (in Mac Os Catalina)

Performing as Full Stack Software Engineer in which I have developed RESTful APIs, Front End, and full CRUD back end apps, using Node JS as execution environment by DOM manipulation in HTML 5/EJS for the back end (API's) and React JS performing Axios calls and router functions for the Front end, Styling apps using CSS Bootstrap Framework, and, data modeling in a PostgreSQL Database through ORM sequelize. All under the MVC app architecture. I used for file versioning and storage Git, GitHub and Heroku Cloud repositories as well as for app publishing and deployment.

Other Activities

Mentor

- I am currently Enrolled as Mentor within the JD Development Program.
- Starting year 2020, I had a 10 people group enrolled whom I taught scripting skills to interact with SAP from the outside. (Java and Visual basic)
- Currently I have a 2 people group whom I am teaching how some manufacturing applications interact within some business process and how they work together.
- I had opportunity to join a couple of meetings with the local and some global SAP teams to clear out some (SCRUM/Kanban) principles as soon as I go my Scrum Master Certification. Activity that I had to stopped when moved to the reskilling program.

Healthy Work Environment Team

- Active collaboration within the Mexico regional Communication team, in which I am in charge to get relevant data to share within all Mexico IT teams.
- Proposed and Implemented the idea to worked on merging Monterrey and Torreon Communication teams. As I was liaison from my previous experience working in both cities.
- Social Volunteering: Preparing programs and spreading the word on how to prevent undesirable situations while navigating on the internet.
 - Social Media Security for Children
 - Social Media Security for Parents
- Social Volunteering: Feeding the need, special activity to take/prepare meals for homeless and people in need by collecting funds and help in every activity to make it come true.