

PROFESSIONAL SUMMARY

Software Engineer and IT Analyst with experience designing and deploying enterprise-level applications in manufacturing environments. Proven ability to lead the full software engineering lifecycle: requirements gathering, use case modeling, system design, database architecture, development, testing, and deployment.

Creator of site-wide web applications currently used as primary operational tools. Strong background in SQL optimization, process automation, and business-driven software solutions.


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 **GitHub:** github.com/YahelMdza87

 **WebSite:** yahelmendoza.com

EDUCATION

Bachelor's Degree in Computer Systems Engineering
Chihuahua Institute Of Technology II | 2020-2025

Technical Degree in Programming
CBTis 122 | 2017-2020

TECHNICAL SKILL

- **Backend Development:**
 - ASP.NET MVC
 - REST API Design
 - SQL Server
 - MySQL
 - Oracle
 - NodeJs
- **Frontend Development:**
 - HTML5, CSS3, JavaScript
 - React
 - Angular
 - Tailwind CSS
 - Bootstrap
- **Database Engineering:**
 - Query Optimization
 - Stored Procedures
 - Relational Modeling
 - Performance Tuning
- **Automation & Tools:**
 - Excel VBA
 - IIS Deployment
 - Git
 - Android Studio
 - Visual Studio

RELEVANT SKILLS

- Persistent
- Quick learner
- Thrives under pressure
- High analytical
- Problem solver
- Software design
- Leadership

LANGUAGES

- English B2

COURSES

- **Web Developer - Platzi**
- **Course of ReactJS - Platzi**

RESEARCH EXPERIENCE

IT Analyst

Honeywell | 2025 Mar - Present

- Lead end-to-end software engineering for site-wide enterprise applications, owning architecture, development, deployment, and maintenance.
- Conduct requirements engineering with cross-functional stakeholders, defining use cases, data models, and system workflows.
- Design and optimize ASP.NET MVC solutions integrated with SQL Server and Oracle to drive operational efficiency and digital transformation.

IT Intern

Honeywell | 2024 June - Present

- Developed and Supported development of web, desktop, and Android applications.
- Built Excel VBA automations to streamline internal processes.
- Assisted in SQL Server and Oracle database management and query optimization.

KEY PROJECTS

MES - Manufacturing Execution System

A web application developed in VB.NET MVC that connects Oracle EBS production planning with shop floor execution. The system allows users to consult production orders, check material coverage, and escalate issues through a three-level notification workflow. It also includes Built-in Quality for defect tracking with photo evidence, access to product drawings, and operator productivity measurement. This solution improved visibility, accelerated problem resolution, and enhanced product quality across the site.

Videowall - Site Metrics Dashboard

A real-time dashboard designed to display key site metrics such as shipments, production hours, quality indicators, and HR metrics (absenteeism, turnover, etc.). The system features dynamic charts and a futuristic design with color-coded indicators (green, yellow, red) to highlight performance status. This project provided immediate visibility of operational performance and supported faster, data-driven decision-making at the managerial level.

Corporate Intranet

An internal intranet platform built with ASP.NET MVC, SQL Server, and Oracle, published through IIS. It centralizes applications, reports, and tools from different departments, offering quick access to dashboards, documentation, and custom applications. The system includes role-based authentication and integration with corporate databases. This solution streamlined interdepartmental communication, reduced information search times, and improved overall efficiency in internal processes.