

Rodolfo Mares Ramirez

AKA: Junior Mares

SQL & Full-Stack Web Developer

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Professional Summary

Full-stack developer with 4+ years of experience building web applications, SQL databases, and workflow automation. Currently one of two developers at Amarillo Independent School District, responsible for maintaining 20+ active district projects with high ownership from requirements through production deployment.

Skilled in React, React Router, TypeScript, T-SQL, Python, and Linux. Previously spent almost 3 years at General Motors across full-stack (Java, Angular, Spring Boot) and database/ETL roles — including Oracle-to-PostgreSQL migrations at enterprise scale. B.S. in Computer Science; also designs, builds, and deploys personal web projects on owned domains.

Technical Skills

Languages: TypeScript, JavaScript, Java, C#, SQL, T-SQL, PL/SQL, Python, HTML, CSS

Frameworks & Libraries: React, React Router, Angular, Spring Boot, .NET, PrimeNG, Bootstrap, Tailwind CSS

Databases: Microsoft SQL Server, PostgreSQL, OracleDB, MariaDB

Tools & Platforms: Laserfiche, Linux, Azure, REST APIs, ETL, JPA/Hibernate, Google Analytics, Git

Professional Experience

Programmer/Analyst — Amarillo Independent School District

May 2025 – Present

- One of two developers maintaining 20+ active projects — high ownership and accountability across the district's entire software portfolio.
- Personally deployed 5 full applications from the ground up, from requirements gathering and design through production release.
- Built a complete employee benefits website tracking FMLA, sick leave, and unpaid leave for 2,000+ active employees.
- Develop with React, React Router, TypeScript, and Microsoft SQL Server; build and maintain workflow automation in Laserfiche.
- Work daily in SQL, T-SQL, Python, and Linux server environments — writing queries, scripts, and backend logic.

Database / ETL Developer — General Motors

July 2023 – December 2024

- Led migration of 20+ Oracle databases to PostgreSQL — 200+ schemas, 600+ tables, 150+ views, and 55+ functions and procedures.
- Increased PL/SQL stored procedure efficiency by 95% across 60+ schemas; automated ETL pipelines, cutting manual work by 70%.
- Designed a data-archiving stored procedure adopted by 15+ teams, improving storage utilization and query performance.
- Resolved 30+ help tickets weekly, facilitating database changes and eliminating blockers for 30+ developers.
- Refactored Python and VB scripts for PostgreSQL integration using pandas, cx_oracle, and psycogp2.

Entry-Level Full-Stack Developer — General Motors

June 2022 – July 2023

- Delivered 67 work items, 35 user stories, and 20 epics; built 35+ PrimeNG front-end components and resolved 50+ bugs.
- Developed Java/Spring Boot REST APIs and Angular applications with Oracle DB integration and RxJS async data handling.
- Designed API architecture for Service Requests incorporating user feedback — 25% increase in user satisfaction post-launch.
- Reduced support tickets by 54% through incident management, documentation, and customer engagement.
- Supported a team of 8 developers with Java, Spring Boot, SQL, and back-end expertise.

Web Developer Intern — Paylocity

May 2021 – August 2021

- Developed and optimized backend services, improving API response times and overall application performance.
- Enhanced database queries to reduce report generation time; collaborated with engineers on new feature integration.
- Implemented new web functionality using Google Tag Manager for analytics and tracking.

Inventory Control Manager — Greco and Sons

June 2016 – May 2022

- Managed inventory operations across multiple distribution centers; led forecasting to reduce overstock and shortages.
- Developed reports and dashboards for real-time inventory tracking, procurement coordination, and supply chain analysis.

Selected Projects

Employee Benefits Portal (Amarillo ISD) — District-wide web application for FMLA, sick leave, and unpaid leave tracking — serving 2,000+ employees. React, TypeScript, SQL Server.

Campus Food Distribution App (Senior Capstone) — Full-stack shopping cart app for 200+ families at Dominican University. ASP.NET MVC, SQL Server stored procedures, Azure deployment with 99.9% uptime.

Personal Web Projects — Live sites on owned domains including wedding.jrmares.com, hvac.jrmares.com, reflectivityweather.com, and reflectivitymedia.com — React, TypeScript, Tailwind CSS.

Education

B.S. in Computer Science — Dominican University, River Forest, IL | Graduated May 2022