

# MICHAEL W. SALAZAR

## SKILLS

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Languages/Tools C#, MVC, ASP.NET, Visual Studio, Entity Framework, and jQuery  
Database/Environments SQL Server

## EXPERIENCE

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**06/2021 to Present** **WAP Sustainability** **McKinney, TX**

*Software Engineer working for Coldstream Consulting, acquired by WAP Sustainability*

I developed a web-based concrete Life Cycle Analysis (LCA) calculator as a C# MVC application using Entity Framework. The portal replaced their existing process and systems used to generate Environmental Product Declarations (EPDs). The portal allows for on demand EPD generation in pdf format.

EPDs can be published to Azure or the Embodied Carbon in Construction Calculator (EC3) database.

Other functionality of the tool includes comparing mixes to regional benchmarks, generation of self-declarations, project-based analysis and access via an API.

**05/2022 to Present** **Self Employed** **McKinney, TX**

*Software Engineer working for ARI Automation Odessa, Texas*

Ongoing support of the Seldon Asset Management System (SAMS) which was acquired by ARI Automation.

**02/2015 to 02/2022** **Seldon Energy Partners** **Plano, TX**

*Director of Information Technology/Software Engineer*

I built the Seldon Asset Management System (SAMS) from scratch. The system was built to collect data from field units at regular intervals. SAMS users can also send control commands directly to the remote unit's programmable logic controllers via cellular connection.

SAMS started out as a concept drawn out on a napkin. SAMS is a C# MVC web application that uses a SQL Server 2016 database. Systems are deployed in rural areas typically in the Permian Basin. The systems are used for water management. We also have a pump jack controller designed to optimize pump efficiency through gas interference events. This system calls MATLAB to transform surface card data to downhole data. Clients receive email reports twice a day.

My primary role is development and operational support of the SAMS application. I am also responsible for supporting the IT needs of a small company. This includes working with a managed hosting provider and managing contract development resources.

The system was designed to allow for management by exception to allow a small field service staff to efficiently manage a large geographic area.

**10/2013 to 02/2015**

**RamQuest, Inc.**  
*Senior Software Engineer*

**Plano, TX**

Asked to lead development effort to help build new web-based system to meet new regulatory requirements from the Consumer Financial Protection Bureau for new loan estimate and closing disclosure documents. This system interacted with RamQuest's existing products.

**01/2008 to 04/2012**

**NeoFirma**  
*Engineering Manager (2/2009 to 4/2012) Software Engineer (1/2008 to 2/2009)*

**Dallas, TX**

Responsible for managing a 3-member contract development team. Maintained an active role in fixing defects, deployments and production support for the entire suite of products.

Initially hired as member of the development team with responsibility for fixing defects and implementing new functionality. NeoFirma's web-based software was used for the capture and reporting of drilling and production data for the oil and gas industry. The product was developed in C# and contained modules written for DotNetNuke (DNN) connecting to a SQL Server 2005 database.

**04/2002 to 01/2008**

**Countrywide Home Loans**

**Plano, TX**

*Independent Contractor (04/2002 – 12/2005) and Software Developer (12/2005 – 1/2008)*

Hired for team assembled to build Countrywide's Hiring and Employee Compensation System (CHECS). CHECS was a high visibility web-based application designed to provide all nationwide sales/management employees access to loan production information and perform compensation calculations. The system supported 4,000 daily users.

Worked extensively on the subsystem that modified compensation based on more than 10 performance metrics. This subsystem contained screens to view and modify these metrics, and a standalone application that ran the calculations.

Development was in C# with T/SQL stored procedures using a SQL Server 2005 database.

**06/2001 to 03/2002**

**ExoLink**

**Lewisville, TX**

*Software Developer*

Developed reports for a startup company that processed transactions for the utility industry. Development was mainly PL/SQL with some Java and Python.

**12/1998 to 04/2001**

**epicRealm (InfoSpinner)**  
*Software Engineer/Quality Assurance Engineer*

**Richardson, TX**

Served on several teams in a variety of roles for a startup company attempting to market a web caching service for dynamic content. Worked with company's initial application server product, created Java based tools for component testing, and the company's provisioning web site using Java servlets.

**06/1994 to 12/1998**

**Intermec Technologies (Amtech)**

**Dallas, TX**

*Systems Analyst/Software Engineer*

Responsible for end-to-end support of Amtech's toll collection and access control systems worldwide. Involved in development and enhancement of lane controller software written in C.

**1990 to 02/1994**

**Jaycor**

**Huntsville, AL**

*Engineer*

On-site test engineer for testing of radiation hardened electronics.

#### **EDUCATION**

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**1993**

**The University of Alabama Huntsville**

**Huntsville, AL**

B.S., Computer Science

#### **VOLUNTEER**

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North Texas Food Bank, Literacy Instruction For Texas, and Habitat for Humanity.