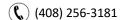
# NILSON MOLINA

WEB DEVELOPER & IT PROFESSIONAL



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😭 San Jose, California

#### EDUCATION

# Coding/Programming School

42 Silicon Valley Fremont, California 2017-2018

#### **B.S. Information Technology**

Florida International University Miami, Florida 2009-2013

# TECHNICAL

#### **CURRENT FOCUS**

HTML5 / CSS3 / JavaScript

ReactJS (Front End)

NodeJS / ExpressJS (Back End)

AWS (Amazon EC2 Servers)

**Git** (Code Version Control)

**Jest** (*Unit Testing Framework*)

# **FAMILIAR WITH**

**Sass/SCSS** (CSS preprocessor)

**PostgreSQL** (SQL Database)

Redis (In-Memory Data Store)

**Go** (Procedural Language)

**Python** (Scripting Language)

Flask (Backend)

**Docker** (Containerization)

MongoDB (NoSQL Database)

**C#** (Object Oriented Language)

**C** (Procedural Language)

# PROFESSIONAL EXPERIENCE

#### IT Consultant 2014-2018

NAMO Group Solutions - Miami, FL

- Provided IT services such as remote and on-site customer support, computer repairs, hardware/software installations and more to numerous businesses.
- Built and configured a Remote Desktop Server to host software packages
- Created NGSPrices, an invoicing web application being used by several businesses
- Acquired Microsoft sponsorship to minimize development and training costs

# PROJECTS

# **NGSPrices** – https://ngsprices.azurewebsites.net/Default.aspx

2016-2018

Stack: Asp.net, Azure, SQL Server, C#, jQuery, Bootstrap

Invoicing & Inventory management web app that is being used by several businesses internationally. Sole creator and maintainer for over two years.

- Refactored several features to implement AJAX for a better user experience
- Implemented non-clustered indexes to improve expensive DB queries
- Routinely cleaned and imported raw CSV data into production DB
- Provided customer support and bug fixes when reported

# **Chapp** - https://chapp.ml

Feb 2019

Stack: ReactJS, NodeJS, Socket.io, PostgreSQL, Redis, AWS, Nginx, Bash Scalable messaging web app built using the WebSocket protocol for real-time communications.

- Configured Nginx as reverse-proxy to handle encrypted HTTPS traffic
- Reverse proxy also configured as load balancer between node clusters
- Deployed to AWS EC2 and RDS servers
- Redis store setup for sharing stateful data amongst stateless nodes
- Created Bash scripts to build, deploy, and automate workflows
- Running servers with PM2 for production level stability and monitoring

# Himnario - https://himnario.ml

Apr 2019

Stack: HTML5, CSS3, JavaScript, GitHub Pages

A single page web app containing a compendium of hymns that is currently being used by several churches to generate a slideshow with lyrics for the congregation to follow.

- Built to replace an old x86 program, while implementing requested features
- Multiple hymns per slideshow, eliminating the previous limitation of just 1
- Allows users to Save and Load custom playlists & Drag and Drop reordering
- Runs entirely for free on GitHub pages without any other backend server
- Improved load times by downloading slides when user selects a hymn

# School Projects - 42 Silicon Valley

2017-2018

Projects had to be written in C without the use of C's standard libraries.

- Libft: Implementation of many common functions provided by C's Standard Libraries
- Fillit: Use of backtrack recursion to fit Tetris pieces in smallest size square
- Fractol: Render fractals and implemented multi-threading for improved performance
- Hercules: Weekly challenges on ssh, SMTP, http load testing, memory leaks & more. Some of these challenges were solved using other languages like Go and Python.