

# NILSON MOLINA

WEB DEVELOPER & IT PROFESSIONAL

## CONTACT

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## EDUCATION

### Coding/Programming School

42 Silicon Valley  
Fremont, California  
2017-2018

### B.S. Information Technology

Florida International University  
Miami, Florida  
2009-2013

## TECHNICAL

### LANGUAGES

JavaScript, HTML5, CSS3,  
Golang, Python 3, C

### FRAMEWORKS/LIBRARIES

ReactJS, NodeJS/ExpressJS,  
Flask, Bootstrap, Bulma

### DATA STORAGE

PostgreSQL, Redis, MongoDB,  
SQL Server

### CLOUD PROVIDERS

AWS, Vultr, DigitalOcean,  
Azure

### TOOLS

Sass/SCSS, Jest, Docker, Git,  
ESLint, Bash, NPM

## PROFESSIONAL EXPERIENCE

### Web Developer

2015-2019

NAMO Group Solutions – Miami, FL

- Created NGSPrices, an invoicing web application being used by several businesses
- Implemented non-clustered indexes to improve expensive DB queries
- Routinely cleaned and imported raw CSV data into production DB
- Provided customer support, training and bug fixes when reported
- Improved user experience by rewriting several features to utilize AJAX
- Created a data sanitation tool reducing a process of 45 minutes to a few seconds

### IT Consultant

2014-2019

NAMO Group Solutions – Miami, FL

- Provided remote and on-site customer support, computer repairs, hardware and software installations, training, and more to several businesses internationally.
- Migrated services to the cloud, reaching an entirely new customer base
- Acquired Microsoft sponsorship to minimize development and training costs

## PROJECTS

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

2015-2018

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 three years.

- Generate PDF files for quoting, invoicing and more using iTextSharp library
- Utilizing PayPal API for secure subscription billing and tracking
- Created HTML email templates that are generated and sent using SendGrid API
- Initially built for internal use only, but restructured to allow multi-tenancy

### 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 a 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 NodeJS servers with PM2 for production level stability and monitoring

### Himnario – <http://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