NILSON MOLINA
WEB DEVELOPER & IT PROFESSIONAL

CONTACT

📞 (408) 256-3181

✉ MolinaNilson@gmail.com

🌐 www.NilsonMolina.com

github.com/nilsonmolina

🏠 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

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 – 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