

## Ing. Miguel González López

B.S. Information and Communication Technologies.

**American Visa and Passport**



**Objective:** To transcend with my work

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### Languages

- Spanish
- English [Toefl 580], Written & Spoken

<http://cv.migolo.net>

## Staff Software Engineer @ AdaptedMind.com

**Date range:** May 15<sup>th</sup>, 2019 – Now.

### Achievements:

- Scaling the application to support at least 10x the users due to COVID.
- Create a replicable development and production environment.
- Release process automation (Build to Release)
- Product development and enhancement (New animated subjects "Reading" and "Super skills", New "Math" algorithm and new problem types (Video).
- Migration to a new platform (From PHP, Angular and MySQL) to Golang, React and Postgresql.

### Knowledge used:

HTML5, CSS3, Javascript, Bootstrap, PHP, React, NextJS, Go, AWS (EC2, LoadBalancer, S3, Cloudfront, RDS, Route 53), Ansible, Vimeo.

## Sr Software Engineer @ Rocket Lawyer

**Date range:** May 19<sup>th</sup>, 2014 – May 15<sup>th</sup>, 2019

### Achievements:

- Fully responsive Incorporation Process.
  - Incremented the revenue of the business by 18% by accepting more devices (Mobile devices).
  - Did an A/B test using Optimizely to compare both Flows and by revenue get the one that did better.
  - Changed the prices of the incorporation using a centralized catalog system instead of the manual values.
  - Using Phantom JS we did automated testing of the user interface and flow that let us know more issues faster.
- Creating the E-Commerce from the Registered Agent product.
  - Did the integration of the process with Salesforce and Marketo (SOAP API) to connect the process with the sales team.
  - All the payment process became automated also the contact with the representatives
  - Using Phantom JS we did the automated testing of the flow.
- Modularize on AngularJS the checkout pages and offer a plugable architecture for different payment providers.
  - Reduction of "invisible" errors.
  - 23% increment on conversion rate because of mobile implementation and some error detection that stopped users from completing their purchase on some scenarios.
- Implementation of a new product as an Addon "Document Defense ®"
- Implementation of Trial Paywalls to convert users from trial to a membership.
  - There is an increment in conversion rate, but we don't have yet the impact in %.

### Knowledge used:

- HTML5, CSS3, Javascript, Foundation, Bootstrap, Java, Spring, Jenkins, GIT, Maven, Velocity, MySQL, MSSQL, C# .Net. Phantom JS, Grunt.

## Monitor Engineer @ Rocket Lawyer

**Date range:** November 4<sup>th</sup>, 2013 – May 16<sup>th</sup>, 2014

## **Achievements:**

- Satisfactory configuration and maintenance of ETQ Lotus Notes (Fixed missing functionality, Database Profile, Workflows and Security reconfiguration)
- Batch processes optimization:
  - Shipper Certifications semi-automation (Excel) (From one hour to 12 minutes)
  - Complete automation of Materials Forecast (From 2 hours to 20 seconds)
  - Backups automation and auto administration (Each days some Backus are stored or deleted using as a base our CTPAT rules)
  - Work orders Differences automation (Excel & SQL Server).
- Virtual Servers Configuration using Windows Server 2003 & 2008 as operating system to monitor processing and hard drive free space.
- Migration from Office XP to Office 2013 (Compatibility testing, Macros fixing)
- ERP Monitor – Fixed Engineering Change Module, Fixed Demand & Requirements module.
- ERP Monitor – Parts & Products identification in system (Obsoleting, Raw Material, WIP Material y Final products) according to product line, commodity and group technology.

## **== Plant Roles ==**

- Corrective Actions Member
- LPA Auditor
- ISO/TS 16949 auditor
- Member of security and fire squad

## **== Software & Hardware ==**

- Microsoft Office XP & Microsoft Office 2013 (Migration)
- Lotus Domino Administrator, Designer, Client, Server (Lotus Domino Driver)
- Etq Administration -> Escalations, Activities, Documents
- VMWare vSphere Client v5.0 & VMWare vCenter Server v5.0
- Management of Backup Exec 12.5 for Windows Server
- Windows Server 2003 & 2008 Configuration and Management (Active Directory, File Server, Events)
- IBM Robotics Library (Backups) Hardware
- SQL Server 2000 Management (SQL Server Enterprise Manager, Stored Procedures, Triggers)
- SQL Server 2005 Configuration and Management (SQL Server Management Studio, Database Engine Tunning Advisor, Execution Plans, Stored Procedures, Table & Database Design and Analysis)

## **== Software Development ==**

Visual Studio 2010 Express Web Edition - ASP.Net MVC 4

Bootstrap, JQuery, Mustache.js, HTML5, CSS 3 (Animations, Columns, Media Queries)

- Custom Framework from Authentication and Authorization (Authentication using Active Directory and Custom HTTP User Context, Authorization using Custom Authorize Attribute and Active Directory roles)
- Development of Plant online Map (We can see in the plant map which machines are running, what they are running and online time)
- Migration of Inks Management Software from Power Builder

Visual Studio 2010 Express C# - Winforms

- 8 week Materials Forecast development using C#, Linq & SQL Server Stored procedures.

PowerBuilder 7.0

- Clients Requirements Software modifications (Final product identification vs obsoleted product)
- Work order modifications (Some bugs getting information via Access & SQL Server)

Microsoft Excel

- Work Orders differences (Excel Formulas and Microsoft Query ODBC)
- Shippers Certification (Using Excel formulas and Microsoft Query ODBC)
- Flow Routers via Semi-automation.
- Automation and auto reconfiguration according to dates of the Daily Checklist format.

SQL Server

- Stored Procedure – Bill Of Materials Explosion (From 5 hours via Power Builder to 33 seconds using recursion with Loops and Joins replacing Cursors)
- Trigger looking up active Work orders and disabling them when a part became obsolete.

Lotus Designer

- ETQ Escalations bugs fixed.
- Forms creation
- Formulas and Commands to automate data retrieval.
- Views configuration.

## ABAP SAP Developer @ Dycsi Soluciones SA de CV

**Date range:** September 2<sup>nd</sup>, 2013 – October 31<sup>th</sup>, 2013

### Achievements:

- Development of a financial leasing solution to the company the FINOBANK product.
- Development of an automatic catalog to the Auto Loans module to the FINOBANK product.

### Development of a solution to "Financiera Cualli" October 1<sup>st</sup>, 2013 – October 30<sup>th</sup>, 2013

- Development of the Operation Module (creation and modification of applications)
- Development "Control Tables" for approvals (approval flow for Lines of Credit, Operations and Investments)
- Quotation module
- Development and configuration of Passive Investments Module.

### Knowledge used:

- Creation of DYNPROs, Function, Tables, Domains, Events, Open SQL, ABAP, SAP Configuration (SPRO).

## Projects Engineer & IT Department @ Nexon Automation SA de CV

**Date range:** March 3<sup>rd</sup>, 2011 – July 17<sup>th</sup>, 2013

### Achievements:

- Management, planning and forecasting IT assets (Servers, computers, Mobile & Wired Phones, Controls & Robotics Hardware and Software)
- IT Process Documentation
- ERP Implementation (Adminpaq & Contpaq) in all business processes (Sales, Purchasing, Warehouse, Accountability, Payments)
- Electronic Billing Implementation using Append 20 of SAT Mexico. It was implemented CFD in 2011 and CDFI in 2013.
- Implementation and integration of Active Directory as an Account Authentication and Authorization for Files Management and other processes. (Windows 2003 sever)
- Deployment of a VPN software using Active Directory and OpenVPN
- (2011/03 – 2013/06) Nexon Automation SA de CV (Internal Project) - Development of a Internal System used to Automate some internal process: Travel Expenses, Time Tracking, Attendance reporter, call Reporter, Petty Cash administration, Material Stock Request, Accounts Handling.
- (2011/09 – 2011/10) Schlage Ingersollrand – Tijuana, BC, México – Development of and ANDON System (Using Microsoft SQL Server as database, Custom protocol to a Board, and integration with the production system)
- (2011/06 – 2012/02) Schlage Ingersollrand – Tijuana, BC, México – Development of a Supply Chain Management software (custom) with product traceability, Recipe creation and configuration at real time.
- (2012/06 – 2013/02) WF Manufacturing – Ramos Arizpe, Coahuila, México – Development of a quality system to the revision of car filters using Statistical Process Control as the logic of acceptance. It included Cognex and Keyence Cameras, a Mitsubishi Series Q PLC. The software was developed using Visual basic .Net and MX Components as Backend, Firebird SQL as Database, Redis IO as a Fast Data Interchange and PHP, Javascript, HTML, Ajax as Front End-
- (2013/03 – 2013/04) Takata – Apodaca, NL, México – Development of an Electrical Testing Machine using LIN and CAN protocols using LIN I/O Hardware

### Tools & Enviroment:

For .Net: Visual Studio 2008, Rslinx OPC Library, MX Components Mitsubishi Library, .Net Framework 4.0. Visual Basic (Advanced) and C# (Basic)

For Web Development: Net Beans, Apache 2.4, PHP 5.4, Code Igniter 2.1, HTML 4 & 5, Javascript, CSS, Ajax, Sencha Extjs, JQuery, Bootstrap. Linux & Windows operating System.

For Databases: MySQL, Firebird SQL, Microsoft SQL Server 2008

Other tools: RSLogix 5000, Melsec, Wonderware In Touch, Proficy Cimplicity, LIN I/O, Factory Talk Machine Edition & Site Edition.

RSSQL/FactoryTalk Transaction Manager.

## Software Developer (Internship) @ INTECH SA de CV

**Date range:** February 21<sup>th</sup>, 2010 – May 20<sup>th</sup>, 2010

**Achievements:**

Implementation and adaptation of a Time Management Software to business needs.

## IT Administrator @ Librería Plaza Tec

**Date range:** September 22<sup>th</sup>, 2008 – February 21<sup>th</sup>, 2010

**Achievements:**

Implementation and adaptation of a Time Management Software to business needs.

- **Development of a Sales Point and Inventory System in PHP, Sencha Extjs and MySQL (Ajax).**
- **Development and management of the Liberia Plaza Tec Online Store. (Joomla, VirtueMart)**

## Education

### University @ ITESM Campus Saltillo

**Date range:** 2007 – 2012

**Information Technology and Communications Engineer**

**Professional ID:** 7520188

**TOEFL:** 580

**School Score:** 97 (GPA: 4.0 | A+)

**Featured Subjects**

- Database management
- Networks management
- Strategic management
- Sales process and management.
- Distributed systems development
- Projects valuation
- Supply chain planning and programming
- SAP fundamentals

**Scholar projects**

- Computer control with Wiimote
- Control of an AC lamp from a Webpage.
- Adaptation of an existent system to Web Mobile (Touch devices)
- Distributed system using Java Servlets (WEB application), Google Protocol Buffers (Protocol definition), Redis IO (Memcache), MySQL (Databases) and RabbitMQ (Message Broker)

**Social Service**

- Informatics I & II @ Prepanet (Open School of ITESM)

**School Service**

- Auxiliary at IT department
- Development of a Math Contest Software

**Achievements**

- [August 2012] CENEVAL Diploma with "Leading" Result in all areas of Computer Science exam:  
Detection of the IT needs of organizations / IT Project management / Administration of IT resources in organizations / Solutions and proposals design of information technologies for the organization / Implementation of technology solutions
- [May 2012] Honorable Mention of Excellence (Score 97)
- [May 2012] Student Development Diploma
- [May 2012] CENEVAL Diploma with "Leading" Result (ITESM)

- [December 2010] SIFE Saltillo Team Project Leader
- [December 2010] Vice president ITIC career `10
- [May 2010] Development of the video documentary "Dignifying animal life"
- [August 2008] Best Prepanet Teacher student project

## Computer stuff

- **Computer tools:** MS Office (Word, Excel, Powerpoint, Outlook), Microsoft Project, Microsoft Visio, Open Office, Google Docs.
- **Programming:** Java (Intermediate), SQL (Advanced), PHP (Advanced), ABAP (Intermediate), C # (Intermediate), Visual Basic .Net (Intermediate)
- **Web development:** PHP and MYSQL (Advanced), Javascript (Advanced) HTML / XHTML (Advanced), CSS (Advanced), AJAX (Intermediate), JSP (Basic), ASP. Net (Intermediate)
- **Software Development:** Planning, Programming and Optimization
- **Administrative Software:** Adminpaq, Contpaq, Lotus Notes, ETQ, Monitor, SAP.

## Personal description

Productive and focused, with a proactive attitude, looking to lead and mobilize. I contribute to establishing long and productive working relationships with clients and collaborate in resolving conflicts and creating mutual understanding and trust. I focus on the target. I'm moved by a healthy competition in which I create, lead and make significant contributions to the organization. I'm known to have temper, defined positions and seriousness. With analytical skills. I tend to be very patient and always pay attention to details; I have the ability to go further. Mature, balanced, responsible, and flexible intellectually with a thorough understanding of integrated issues and know I am capable of handling problems from different perspectives. Emotionally serene, disciplined, I enjoy working independently, I like to feel responsible, and have no problems joining social groups.