

# MARIO LOPEZ

## EDUCATION:

UNIVERSIDAD NACIONAL AUTONOMA DE MEXICO  
Bachelor in Computer Engineering  
Graduation Date: June 2010  
Cumulative GPA: 87/100

## WORK

### EXPERIENCE:

November 2016 - nowadays

#### **PLEEDTECH**

As **Database Designer and Project leader**

- In charge of designing and implementing the database model for a CRM application in **Azure SQL Server**.
- Leader of two SQL developers who provide data for database users in different areas programming stored procedures.
- Responsible for providing database access and security, as well as monitoring the proper performance and availability of data.

February 2016 – November 2016

#### **Lumbrera Labs / Mimoni**

as **DBA Senior**

- In charge of good performance of 12 database instances including production and staging environments. Query analyzing for performance optimization.
- Administration tasks for **Microsoft SQL Server 2008R2 – 2014**, PostgreSQL and MySql instances created as RDS from Amazon Web Services.
- Skilled in designing logical data models and implementing physical ones

using CASE tools such as Erwin and SQL Power Architect.

- ETL development using Kettle from Pentaho Suite.
- Access control and security over database servers and database objects.
- Backing up and restoring databases.

May 2011 – January 2015

#### **BANCO AZTECA**

as **Systems Supervisor**

- I optimized the database performance, tuned SQL queries and Stored Procedures, creating groups and users, as well as granting and revoking privileges from them. I analyzed the top executed queries in order to create indexes in the tables needed.
- I managed the backup and recovery of programs and objects in the database.
- I was part of the team in charge of Quality Assurance from IBMi Power systems.
- I developed a system which automatically collects statistics from the IBMi server and its database performance. The system monitors the size of critical objects and the time in which critical workloads are completed among other issues. The system was coded using ILE-RPG language and **DB2 for i** stored procedures.
- I was recognized by the IT Vice President as one of the top three talented people among more than two thousand IT employees in the company.

October 2010 – May 2011

## **DEVANT IT**

as **Software Developer**

- I developed Transact-SQL functions and stored procedures with **SQLSERVER 2005-2008**.
- The project consisted in programming a web application which stores aircraft maintenance logs of the Federal Police using Java frameworks such as Hibernate, Spring and ZK.

## **TECHNICAL SKILLS:**

SQL SERVER - 5 YEARS

DB2 - 4 YEARS

ORACLE - 2 YEARS

PostgreSQL - 3 YEARS

**Programming Languages:** SQL (5 years), ILE-RPG(3 years), JAVA (J2SE) (2 year), C (1 year).

## **CERTIFICATES:**

- Oracle Database SQL Certified Expert.
- PostgreSQL 9.3 Associate.
- IBM i7 Administration Associate.
- Microsoft Certified Professional SQL Server

**Platforms:** Win XP (advanced user),  
Linux (intermediate user):

I can program Shell scripts, install software that provides services, configure network parameters, create and control user accounts and groups.

IBMi System (operator):

I can manage jobs and memory pools in the system, code programs using CL, ILE-RPG and SQL languages. I can manage users and privileges, collect statistics about the systems performance and report them.

## **LANGUAGES:**

Spanish: Native.

English: Advanced

Japanese: Beginner JLPT N5