

# MIGUEL ANGEL SILVA NORIEGA

## Expert Results-driven technology leader

### SUMMARY

Seasoned software engineer with over a decade of hands-on experience, including roles from Software Developer to Technology Project Manager. Proficient in Java, Python, JavaScript, PHP, and associated frameworks like Spring Boot, FastAPI, Laravel, and React, with emphasis on building scalable web applications and systems. Demonstrable expertise in software development methodologies such as SCRUM and CMMI, providing a strong foundation for driving efficient project lifecycles. Engineering background solidified with a Bachelor's in information technologies and further complemented by expert-level programming skills. Proven track record in managing complex IT projects and developing innovative solutions that enhance operational efficiency and asset management, evidenced by the successful implementation of a GIS platform and various academic systems.

### TECHNICAL SKILLS

<b>Main Technical Skills</b>	Java, Python, JavaScript, PHP
<b>Programming Languages</b>	Java, JavaScript, PHP, Python
<b>JavaScript Libraries and Tools</b>	Redux

### WORK EXPERIENCE

#### Technology Project Manager, GIS Platform for Asset Management

**Duration:** 06/2023 – 04/2024

**Summary:** Created, developed, and implemented a GIS platform for assets management which significantly reduced operational times.

**Responsibilities:** Project management, integration of traffic detectors, climate sensors, and traffic light controls, dashboard design and implementation.

**Technologies:** GIS, Laravel, Python, Java, React

#### Senior Software Engineer, Project Management Control System

**Duration:** 01/2023 – 06/2023

**Summary:** Developed APIs and frontend components for a project management control system with a focus on financial aspects.

**Responsibilities:** API development, frontend development, integration with Mexican Tax System and banking APIs, optimization of invoice matching, design of financial dashboards.

**Technologies:** APIs, Frontend, Symfony, React, HTML+CSS

## **Information Technologies Director, University IT Infrastructure Implementation**

**Duration:** 11/2020 – 12/2022

**Summary:** Installed, configured, and optimized IT infrastructure for the University of Health addressing the needs of students and faculty.

**Responsibilities:** Installation and configuration of IT infrastructure, optimization of classrooms with video conferencing systems and GSuite, development of scholar system.

**Technologies:** LAN, Datacentre, GSuite, Video Conferencing Systems, Laravel, Codelgniter, Java, Python, Javascript, React

## **Software Development Deputy Director, University Admission Tests System**

**Duration:** 09/2015 – 10/2020

**Summary:** Led the development of the university's first system for admission tests and multiple academic-related systems.

**Responsibilities:** Development of admission tests system, implementation of academic process systems, quality assurance, and performance indicators, certification in SCRUM and CMMI.

**Technologies:** SCRUM, CMMI, Java, C#, React, PHP

## **Project Coordinator, Project Delivery Process Improvement**

**Duration:** 10/2014 – 09/2015

**Summary:** Enhanced project delivery processes contributing to reduced delays and achievement of ISO-9001 certification.

**Responsibilities:** Project coordination, process optimization for project delivery, implementation of IT projects.

**Technologies:** ISO 9001, CMMI, COBIT, PMI

## **Software Development Leader, Accounting Control and Tax Declaration Systems**

**Duration:** 02/2012 – 12/2013

**Summary:** Developed accounting systems for asset control and tax declaration automation for the National Supercomputer Centre.

**Responsibilities:** Development of accounting systems, automation of processes, management of asset depreciation.

**Technologies:** Laravel, Java, C#

## **Software Developer, Payment Processing and Hosting Systems**

**Duration:** 10/2008 – 12/2011

**Summary:** Automated payment processing systems for a hosting and domain registration company, improving operational efficiency.

**Responsibilities:** Development of payment processing systems, domain registration, web hosting plan creation, development of email campaign system.

**Technologies:** PHP, Javascript

## **EDUCATION**

- **Bachelor's degree in information technologies**

Completed at Ciudad Valles Institute of Technology in December 2007.

4 years



## CERTIFICATION

- **SCRUM**  
Certified in SCRUM, implemented best practices for software development.
- **CMMI**  
Certified in CMMI, implemented best practices for software development.

