

# M. Sc. Daniel E. Rodriguez Ortiz

## Sr. Technology Consultant



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### Summary and experience

My name is Daniel Rodriguez, and I am a Senior Technology Consultant with over five years of experience in the industry. My expertise spans roles such as Cloud Architect, Cloud Trainer, Project Manager, and Team Leader. I hold certifications in Databricks, Azure, AWS Associate Level, Python, SCRUM (SPS), and SQL.

Throughout my career, I have provided consultancy services to a diverse range of sectors, including telecommunications, banking, airports, and electronics. My experience also extends to reviewing production applications and delivering projects for government and transportation service industries. I excel in creating analytical reports tailored to customer requirements.

I am proficient in various programming languages, including Python, JavaScript, MATLAB, C#, and Java. Additionally, I have significant experience managing projects using the Agile methodology.

### Work Experience:

#### IA & DATA CONSULTANT

<i>COMPANY</i>	Ernst & Young Global Limited
<i>PERFORMANCE AREA</i>	Data Analysis, Cloud Developer, Cloud Architect, Developer, Azure, Databases, IaC, BI, DevSecOps
<i>COMPANY ACTIVITY</i>	Assurance, Tax, Consulting and Advisory.
<i>START</i>	May-2022
<i>END</i>	Jul-2024
<i>RESPONSIBILITIES AND ACHIEVEMENTS</i>	Consultant in Cloud Technologies, DB, BI and dev
<b>PROJECTS</b>	
<i>CUSTOMER</i>	Exxon Mobil
<i>DESCRIPTION</i>	International oil and gas companies with an industry-leading inventory of resources.
<i>ASSIGNMENTS</i>	As a Data Engineer, I mapped a vast number of items from various suppliers, recorded in spreadsheet systems and text files (CSV), to the SAP production system. To ensure high reliability of the provided and recorded items, I developed a Python program that utilizes text pattern recognition for validating accurate data mapping.
<i>CUSTOMER</i>	PiSA
<i>DESCRIPTION</i>	Pharma Industry

<i>ASSIGNMENTS</i>	Responsible for the development of dashboards in Power BI and maintenance and correction of dashboards already created. Using DAX and PowerQuery.
<i>CUSTOMER</i>	BanCoppel
<i>DESCRIPTION</i>	Bank
<i>ASSIGNMENTS</i>	Implementation of different multi-cloud components using Terraform. Download and migration of tables from different databases and engines, such as, Informix to AWS RDS Aurora and PostgresSql.
<i>CUSTOMER</i>	MedicaSur
<i>DESCRIPTION</i>	Hospital
<i>ASSIGNMENTS</i>	Use of Quicksight to create analytical reports of data sets from different sources, through secure connections with AWS custom roles, for managing hospital occupancy. Analyzing data to take advantage of and obtain the most important and different KPIs. Data Cleansing with AWS Glue and Using Ec2, S3, and AWS Lambda to solve related Problemas and dashboard automation
<i>CUSTOMER</i>	Farmacenter
<i>DESCRIPTION</i>	Pharma Industry
<i>ASSIGNMENTS</i>	Using SAP Analytics Cloud tool for sales reporting with direct connection to SAP Hana. Using, as a complement, flat files that are generated for each branch. Successfully implemented restricted access to data using different roles in SAC.
<i>CUSTOMER</i>	Mondelez International
<i>DESCRIPTION</i>	Reatil
<i>ASSIGNMENTS</i>	Use of Power BI for analytical reports and their creation, updated live with a live connection. Use of DAX, and Power Query for the creation of different complex metrics. Moreover, it used some location data for the separation of sales branches. Analyzing the data to leverage and obtain the most important and different KPIs.
<i>CUSTOMER</i>	Johnson & Johnson
<i>DESCRIPTION</i>	Pharma Industry
<i>ASSIGNMENTS</i>	Creating new analytical dashboards by using Qlik Sense to load and visualize accounting data to feed different reports. Using SAP connections and external files.
<i>CUSTOMER</i>	Soriana SA. De CV.
<i>DESCRIPTION</i>	Grocery and Department Store
<i>ASSIGNMENTS</i>	Develop a BI dashboard, using internal data from a web source using DirectQuery connections, Power Query, DAX and
<i>CUSTOMER</i>	Ernst & Young Mexico
<i>DESCRIPTION</i>	Assurance, Tax, Consulting and Advisory.
<i>ASSIGNMENTS</i>	Internal project to develop a BI dashboard for decisions making on the use of consultants at LATAM level in different areas and service lines, using Python Power Query, and DAX as main tools.
<i>CUSTOMER</i>	Soriana SA. De CV.
<i>DESCRIPTION</i>	Grocery and Department Store
<i>ASSIGNMENTS</i>	Data Migration from on premises to cloud Data Warehouse Solution. Using Resources such as, Synapse pipeline and dataflows

### **PROJECT MANAGER**

<i>COMPANY</i>	IT Group Mexico
<i>PERFORMANCE AREA</i>	Cloud, Developer, Azure, Databases, Docker
<i>COMPANY ACTIVITY</i>	Consulting
<i>START</i>	Dec-2021
<i>END</i>	Jul-2022
<i>RESPONSIBILITIES AND ACHIEVEMENTS</i>	With staff under his charge, he worked as project manager and team leader providing infrastructure solutions and technology development to the staff of multinational companies.
<b>PROJECTS</b>	
<i>CUSTOMER</i>	Telefonica – Project Movements and Kits
<i>DESCRIPTION</i>	Spain Multinational telecommunications company, Hispam Project.
<i>ASSIGNMENTS</i>	In charge of architecting and deploy data analytics services with unlimited storage and develop a customized API for uploading data to a cloud service, Using bigdata solutions as Synapse, Data-Factory, Data-Lake among others
<i>CUSTOMER</i>	Telefonica – Commercial Panel
<i>DESCRIPTION</i>	Spanish multinational telecommunications company headquartered in Madrid.
<i>ASSIGNMENTS</i>	In charge of architecture and deployment of cloud services in azure as VMs and web apps for ETL processes with ELK and visualization in BI tools. Using other solutions as Elasticsearch-Logstash-Kibana, RabbitMQ and PowerBI
<i>CUSTOMER</i>	Telefonica – Network Analytics
<i>DESCRIPTION</i>	Spain Multinational telecommunications company, Latam Project
<i>ASSIGNMENTS</i>	In charge of architecture and deployment of cloud services in azure with ELK and visualization in BI tools. Using ETL and big data storage solutions and security such as Datalake-ACLs, IAM, AzCopy and storage explorer
<i>CUSTOMER</i>	Telefonica – Plans Simplification
<i>DESCRIPTION</i>	Spain Multinational telecommunications company, Latam Project
<i>ASSIGNMENTS</i>	In charge of architecture and deployment of cloud services in azure with ELK and visualization in BI tools. Using ETL and data storage solutions and security such as Datalake-ACLs, IAM, AzCopy and storage explorer and verification of data

### **CLOUD TRAINER AND CONSULTANT**

<i>COMPANY</i>	Empresas Noisoft
<i>PERFORMANCE AREA</i>	Trainer and Consultant – AWS, GCP, WAS, SQL, and many IT Technologies
<i>COMPANY ACTIVITY</i>	Training
<i>START</i>	Dec-2020
<i>END</i>	Feb-2022

*RESPONSIBILITIES AND ACHIEVEMENTS*

Consultant in system Integration Space. I have also got lots of certifications from many different vendors, including AWS, GCP, ATC, and Oracle

**PROJECTS**

<i>CUSTOMER</i>	International Bank (Ecuador)
<i>DESCRIPTION</i>	International bank that serves Ecuador City. Sustains more than 500 jobs directly
<i>ASSIGNMENTS</i>	multi-server application support. Support in WebSphere Application Server and monitoring Java Memory performance and connectivity
<i>CUSTOMER</i>	Fast Lane
<i>DESCRIPTION</i>	Online training in virtual classroom, e-learning and other forms of delivery for your teleworking
<i>ASSIGNMENTS</i>	Preparation for ICA with Fastlane and AWS courses
<i>CUSTOMER</i>	NETEC – Global Knowledge
<i>DESCRIPTION</i>	Partners of the leading technology companies in the sector. They offer official IT courses and certifications
<i>ASSIGNMENTS</i>	Development of exams for enterprise level courses

**BI CONSULTANT**

<i>COMPANY</i>	STO Consulting
<i>PERFORMANCE AREA</i>	BI Consultant – Python and SQL
<i>COMPANY ACTIVITY</i>	Consulting
<i>START</i>	Feb-2020
<i>END</i>	Jan-2021
<i>RESPONSIBILITIES AND ACHIEVEMENTS</i>	Program development in Python. Applying ETL technologies, to relational (SQL) and non-relational (ES) databases, analyzing information from the databases

**PROJECTS**

<i>CUSTOMER</i>	Mexico City International Airport
<i>DESCRIPTION</i>	International airport that serves Mexico City. Sustains 35,000 jobs directly and around 15,000 indirectly in the immediate area
<i>ASSIGNMENTS</i>	Development of analytical reports focused on the management of income and expenses of the company
<i>CUSTOMER</i>	ASUS
<i>DESCRIPTION</i>	Multinational computer and phone hardware and electronics company headquartered in Beitou District, Taipei, Taiwan.
<i>ASSIGNMENTS</i>	Development of analytical reports focused on ETL Technologies using Python 3
<i>CUSTOMER</i>	MIRA Group
<i>DESCRIPTION</i>	Real estate company
<i>ASSIGNMENTS</i>	Development of a program capable of classifying the information, saving it in folders previously created by the program

<i>CUSTOMER</i>	Yusen
<i>DESCRIPTION</i>	Delivers
<i>ASSIGNMENTS</i>	Predictions of incomes of the company using Machine Learning knowledge

### **HEAD OF DEPARTMENT OF ELECTRONIC ENGINEERING**

<i>COMPANY</i>	SETA Electronics
<i>PERFORMANCE AREA</i>	Consulting Electronics and Selling
<i>COMPANY ACTIVITY</i>	Sales
<i>START</i>	Jan-2017
<i>END</i>	Jun-2017
<i>RESPONSIBILITIES AND ACHIEVEMENTS</i>	Contact clients from different companies in the field to improve designs. Contact with suppliers from different countries for the acquisition of basic components and specialized. Personnel supervisor in the development of daily tasks.
<b>PROJECTS</b>	
<i>CUSTOMER</i>	Chogori tech
<i>DESCRIPTION</i>	International Distributor of connectors
<i>ASSIGNMENTS</i>	Talk person to person with the distributor (Canadian) showing how we distribute their products and areas of opportunity
<i>CUSTOMER</i>	Mabe
<i>DESCRIPTION</i>	Company which designs, produces, and distributes appliances to more than 70 countries around the world
<i>ASSIGNMENTS</i>	Improving designs selling our products

### **TECHNICAL INSTALLER**

<i>COMPANY</i>	SYSC Telecom (Ericsson)
<i>PERFORMANCE AREA</i>	Telecommunications
<i>COMPANY ACTIVITY</i>	Telecommunications Solutions
<i>START</i>	Feb-2016
<i>END</i>	Jan-2017
<i>RESPONSIBILITIES AND ACHIEVEMENTS</i>	Work as team leader and supervisor at the transmission antenna facility. Programming and installing the antennas
<b>PROJECTS</b>	
<i>CUSTOMER</i>	Telefonica
<i>DESCRIPTION</i>	Telecommunications brand, operating in Spain and in Latin American
<i>ASSIGNMENTS</i>	In charge of deliveries with direct contact with customers.

## Education

- MSc in Computational Mobile Systems – ESCOM (IPN)
- BSc in Communications and Electronics Engineering – ESIME (IPN)

## Trainings

- Databricks DataLake Fundamentals (Certification)
- Databricks AI (Certification)
- DP 203 (Certification)
- Azure 900 Certification (Certification)
- AWS Developer Associate (Certification)
- Cognite Data Fusion Fundamentals (Certification)
- Cognite Domain Expert Basics (Certification)
- JavaScript
- CSS
- HTML4, HTML5
- Linux Foundation Certified Administrator
- AWS Solution Architect (Certification)
- Python 3 Tutorial course 2020 (Certification)
- Oracle Database 12c: SQL & PLS/SQ Fundamentals – 2018 (Certification)
- SCRUM (SPS) 2017(Certification)
- Android Application Development (version 5.0) 2015 (Certification)
- Modern Web Development Architecture for Developers – 2019
- Java Oracle Online at InterSoftware.
- C# .NET Desarrollo de aplicaciones.

## Languages Skills

- Spanish (Native)
- English (Fluent in Business)
- German (Medium)
- Norwegian (Basic)