

# Rey Messon

## SOFTWARE ENGINEER

### Personal Info

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### Expertise

- TEAM WORK
- SOFTWARE DEVELOPMENT
- CREATIVE DESIGN
- COMPLEX PROBLEM SOLVER
- INNOVATIVE
- PROJECT MANAGEMENT

Results-oriented to deliver the best solution for over 10 years as a Software Engineer for the Telecommunication industry, core banking, and Maritime terminal industry. Skilled at maintaining one of the main software of Verizon as a sub-contractor. Achieved more than 10 projects from 2008 until the present. Looking to join your Company in order to help you to deliver all my skills and my experience as a Software Developer. In the future, I will be doing a Master in Computer Science, Machine learning, and computer vision.

### Experience

#### SOFTWARE ENGINEER

*Skymax Dominicana, Santo Domingo, DR.  
May 2021 - Current*

- **Swift** iOS - I created a Jewelry eCatalog app with **Xcode**:
- I created a module to upload a picture and product detail using **React** for the Frontend, for the backend Nodejs using **CRM** desktop, also I created the module to do the maintenance to the application like a CRUD. **PWA** so add to cache the images. I also added to this project **JWT** for the login security process.
- I created an application for Apple Device using **SwiftUI**, and I added the views like Login, ContentView, Product, Product Item, FilterView, and Favorite View, one thing that I feel so proud of this project is that I implemented an ImageCache to improve the speed of the rendered picture when the app is running.
- Right now I'm exploring the technologies to use in a new project **Docker, Django, Python, Twilio** as backend, **Postgres DB, Redis**, and React as Frontend, hoping to the next year go live to this project.

#### SOFTWARE ENGINEER

*Newtech, Santo Domingo, DR.  
October 2015 - April 2021*

- On the SMD project, I develop the portal view on the Genesys project, it's related to finding information from XML request and showing it on an Angular web application.
- Archive Module migration; as an SMD developer, I create from the scratch the new functionality of the table view.
- SMD Standard Report; new enhancement requested by the Team Lead was to create a new standard report.
- Bulk Upload Excel File, I made maintain to the component of excel functionality in the backend in Java.
- Master View - I implemented the whole module of personal information accordion as address and contact, etc.
- Circuit Module - I enhanced the circuit module by optimizing its retrieval algorithm which reduced the load time and improved user experience
- Assets - I enhanced the module by applying advanced SCSS improvement in the dropdown Items in order to see their details in more fashion.

#### SOFTWARE ENGINEER

*Asoacion Popular de Ahorros & Prestamos, Santo Domingo, DR.  
March 2012 - September 2015*

- Software Developer; in Oracle form, report, and PL-SQL development, they use a core banking called **aBanks**, on-site fixing defects related to the application core, develop an interface, implement the stored procedure, trigger and creation of new functionality giving good solution to the entire banking company.
- I was part of the staff who implement the new core bank called **T24** from Temenos company one of the most important banking software in the world.
- DBA **ORACLE** PRODUCTION; Oracle Database administration, managing the whole production database, creation, installation, upgrade y patches. User and schema's admin, storage responsible on HD and Tape.
- Backup and monitoring supervisor. All tasks of DBA.

## Skills:

Angular

Reactjs

AWS

Android

Web Design

MongoDB

Postgresql

MSSQL

MYSQL

ORACLE

Android Design

Java

Kotlin

React Native

C++

Kafka

OpenCV

NodeJS

GraphQL

PL-SQL

T-SQL

SOAPUI

SwiftUI

Django

Python

Docker

Redis

Twilio

- Software development in **PL-SQL** for the migration project.
- Programming solution for all environments from test to production, in order to get ahead with new core banking.
- My experience using **SAP** was creating the reports according to the new central bank regulations government.

## SOFTWARE ENGINEER - TOS

*Haina International Terminals, Santo Domingo, DR.  
October 2008 - February 2012*

- TOS (Terminal Operating System); As Administrator of Navis Systems in the whole terminal; Navis N4, Billing N4, SPARCS XPS, Web Access. **Developer Senior.**
- From Financial Department to Operations Department I connect all the interfaces from Navis to **Microsoft Dynamics** and local system to departure services.
- I created the mapping schematic using **Xenos EDI mapping** to process the **EDIFACT** requested by the lines, from Navis N4 to EDI format file, giving to the customer every move that their container is doing in our terminals.
- Using **JasperReport** - iReport; I developed all the reports that were used to make the operation more productive.
- For discharge and load container activities I implemented the **COARRI** message.
- For the Gate-In and Gate-Out activities I implemented the **CODECO** message.
- For the Hold/Release activities I implemented **Acknowledge**.
- Modified the **Motorolla HandHelp's** software that the tally clerk uses in the yard in order to record the activities from containers that are moving in the terminals.
- I implement the software that reads the Manifest **XML** file received from the Customs Authorities every day.

## Academic Background

### PONTIFICIA UNIVERSIDAD CATOLICA MADRE & MAESTRA.

*Bachelor of Software Engineer*

- Scholastic Competition in ACM-ICPC
- During the signature Advanced Web Development I had to create a Shopping Cart in **Reactjs** that connect to **AWS Alexa**, **DynamoDB** using echo.
- I applied my knowledge about **Kafka** in a project regarding a semaphore where is sent to the topics the lights and the time using nodejs as producer. And then I added a mobile application developed in **Kotlin** as a consumer that sends I signal to the semaphore telling that an old person needs to cross the street, I used socket.io in order to communicate the devices.
- I applied my knowledge regarding **OpenCV** in a project where I needed to compare two faces. And then I added a putText where show the name of the personal detected. In order to get more quality at the image added **C++** with JNI. And another project I used OpenCV to read hand gestures.
- I created a mini-youtube page using **ElasticTransCoder** that reproduce video in 240p, 360p, 480p, 720p 1020p, HD, using **S3**.
- I created also an application that unblocks the users using voice recognition with Powershell, active directory, nodejs, Asterisk and **AWS EC2**.
- As the final project of my career, I solved the issue that the people were not able to find a good candidate to make the tasks that they need at home all anywhere they needed, so I developed an Auction system that solves this issue and the user is enabled to create auction section in order to get the best technical person and the best prices. Using **MongoDB**, **Angular**, **Nodejs**, **GraphQL**, DigitalOcean, **Bootstrap**. I created it from the scratch.

## CERTIFICATIONS

*Advanced Software Engineer Skills certifications*

**Web Development:** HTML5, Bootstrap, CSS, SCSS, Javascript, JQuery, Angular, React Redux, ReactNative

**Cloud Platform:** AWS IoT, Containerized Application on AWS, AWS Fundamentals - Building Serverless Applications, Migrating to the Cloud, Addressing Security Risk, Going Cloud-Native, AWS Machine Learning.

**Mobile Development:** Android - Kotlin and Java.

**Project Management:** Agile, SCRUM