

ALEXANDER I. MARASIGAN

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A well-experienced Senior Software Developer that is passionate on learning new techniques and emerging trends on programming. With strong technical and interpersonal skills for working in a team and as a team lead. Highly dependable professional that is able to do software, hardware, customer support and training.

CAREER EXCELLENCE

- **TVS SCS Singapore Pte Ltd (formerly known as Pan Asia Logistics Singapore Pte. Ltd.)**
December 2016 – Present

Application Developer

- Build and implement applications that address key business challenges and opportunities
- Gather customer's business requirements, identify constraints and implement solutions to provide customer's satisfaction with the use of WMS and other applications.
- To perform functions not covered by ERP applications
- Provide user manual and conduct trainings on WMS and macro applications
- Liaise with the vendors to procure equipments to be used in warehousing activities
- Provide L1 and L2 support

- **Omni All In (Singapore) Pte Ltd (formerly known as JSI Logistics Pte. Ltd.)**
May 2011 – November 2016

Senior Software Developer – Team Lead

- Translates client requirements into detailed functional specification, user interface and general system requirements;
- Identifies options for solutions and assessing them for business and technical sustainability;
- Works closely with the developers and end users for to ensure technical compatibility and user satisfaction;
- Analyze information needs and functional requirements. Evaluates information gathered, abstracts up from low-level information to general understanding.
- Provides 1st, 2nd and 3rd level of support;
- Maintains backup and server stability;
- Prepares and conduct user trainings for system rollout;
- Coordinates and conduct user acceptance testing;
- Documents technical details of the project and provides user manuals;
- Deploy Virtual Machine for rollout and/or testing
- Responsible for creating modules, reports and EDI services

- **National Computer Center**
December 2010

May 2009-

Regional IT Coordinator– Region 3

- Facilitate the provision of technical assistance to Local Government Units (LGUs) and government agencies;
- Facilitate the implementation and monitoring of projects such as the eLGU and CeC Projects and other FOO supported projects;
- Assess the I.T. needs of the region and recommend measures to respond to this needs;
- Coordinate with other agencies, the private sector and I.T. organizations regarding the promotion of I.T. in the region;
- Assist the Regional IT and Electronic Commerce Committee (RITECC) in the formulation and implementation of the Regional IT Plan (RITP) or project;

- **Bulacan Agricultural State College,**
2009

June 2007— April

IT Instructor

- Oversaw the organization's Enrollment System and database maintenance;
- Lead programmer on Library Information System and website development;
- Appointed as Opensource Technical Expert on CICT-PC Recycling Project;

- Central Luzon State University,** **November 2006—May 2007**
IT Instructor
 - Provides the students with knowledge on subjects such as Introduction to Computer Science, Database Management System I and II, Programming I and II; Serves as the students IT organization
- CVC Supermarket-San Jose City Branch,** **March 2006—November 2006**
IT Personnel
 - Updates the prices of the grocery items for the entire supermarket; Optimize and maintains the database; Assists the Pricing Officer for product margins; Troubleshoots POS terminals, scales and the Local Area Network
- Gestalt Consulting Inc.,** **October 2005—February 2006**
Junior Developer
 - Assigned to provide solutions for the Customized Integrated Information System for GenKnit and GenFab project;
 - Debugged and implement solutions for different modules

NOTABLE PROJECTS

- Warehouse Management System (WMS)**
 - The WMS consists of modules that facilitates the movement of goods in and out of the warehouse. The WMS that we have created was able to support different requirements from different clients. From integrated chips, perfumery, mobile phones and bulky items. Below are the modules that I have created:
 - Receiving module – supports single and multiple entry, 1D and 2D barcodes
 - Prereceiving module – advance shipment notification before doing the receiving
 - Putaway – placing the received products on the bin locations
 - Order Management – creations and processing of shipment orders
 - Pick & Pack – selection of products from racking and packing to boxes
 - Scan Out – final process to verify the boxed products before dispatching
 - Change Location – moving of pallets/products from one location to another
 - Undo Receiving / Scan Out – rollback transaction like receiving and scan out
- Inventory Management System (IMS)**
 - The IMS manages and monitors the volume of handsets for each location. It provides information of each handsets such specifications, history of the handsets and can even tell if the handsets belongs to the telecom carrier. The IMS consists of the below modules
 - Receiving – receiving of created DO from WMS.
 - Issue – Issuance of handsets from the store to customers
 - Return – receive back the handset for various reasons
 - Blacklist Checker – checks if IMEI is either stolen or not a Starhub handset
- CPE Management System**
 - The CPE management system links up the IMS and WMS. The system mostly consists of informations of handsets stock levels for each shops. It provides real-time information on the inventory for each handset models.
- Electronic Data Interchange (EDI)**
 - Order Processing - orders are sent via different protocol and the message will be translated to a shipment order. Thus, this approach eliminates manual entry, secured transmission of information and avoid data entry errors.
 - Products Processing – product details are regularly updated in the system
 - ASN Processing – incoming shipments details are sent beforehand to validate that the physical and ASN details are tally.

Protocols Used:

 - File Transfer Protocol and Secured File Transfer Protocol
 - Simple Object Access Protocol (SOAP) Web Service
 - Rosettanet (3B2 , 3B12, 3B13 and 4B2)- As supply chain solutions company, we adhere to enhance the business process by implementing the Rosettanet

standards. We did implement the 3B2 initially for a subcon client Marvell. We upload an xml file to a server and replies back if the 3b2 request is confirmed. The xml file contains the order details for each shipment. As for the 3b12, 3b13 and 4b2, these are just basically the same concept except that each PIP documents has its own purpose. 3B2 Notification of Advance Shipment, 3B12 Request of Shipping Order, 3B13 Notification of Shipping Order Confirmation and 4B2 Notification of Shipment Receipt. For 3B12, we also put a confirmation and receipt which we call 3B12C and 3B12R.

- Automated Reports
 - There lot of varieties of reports that is sent on a scheduled basis. Common reports are Inventory, Incoming and Outgoing Shipping Reports. Other reports are also available like Daily Order Report and Aging Report. These report were sent to clients to track their stocks on the warehouse. These helps them to carefully plan the shipment of their stocks all over the region as well as overseas.
- **Automated Vending Machine (AVM)**
 - A pilot project from a well-known telecommunications company where a certain vending machine is deployed in once place where buyer will have scan the verification codes on machine and it will dispense the handset. Payment if handsets were made online through Paypal and the buyer will just have to collect the item on the machine. It was indeed the very first handset vending machine here in Singapore which provides the customer the convenient of buying their handsets.
- **Shipment Label generation** – barcode labels are generated into two ways by creating templates (.btw) and by sending ZPL codes. Usually, labels are generated after the product is received into the system and if there is a shipment going out.
 - Created barcode templates and configure zebra label printers
 - Maintain label generator application
 - Created script to print labels without SDK or third party application such as Bartender

TECHNICAL SKILLS

Scripting Languages: PHP, jQuery, Javascript, Bootstrap, Codeigniter, Visual Basic, C++, Powerbuilder, HTML, CSS, .NET, Crystal Report, XML, SOAP and REST, Dell Boomi

DBMS: MSSQL, MySQL, MariaDB, Oracle

Web Server: Apache 2.x, IIS

Operating Systems: Windows Server 2003 & 2012, CentOS, Ubuntu Linux,

Virtualization & Backup Hyper-V, Shadowcraft, virtual box

Hardware: Label Printer (Bartender), Desktop troubleshooting, Desktop assembly and disassembly

Software: MS Office, Photoshop, Joomla CMS, Magento, Crystal Report

API Fedex, DHL Tracking, Twilio's OTP

EDUCATIONAL BACKGROUND

Postgraduate

Master of Science in Information Technology (2017-present)
University of the Philippines

College Degree

Bachelor of Science in Information Technology (2001-2005)
Central Luzon State University
Science City of Muñoz, Nueva Ecija, 3120 Philippines

Secondary

San Sebastian School (1997-2001)
Science City of Muñoz, Nueva Ecija, 3120 Philippines

Elementary

San Sebastian School (1997-2001)

Science City of Muñoz, Nueva Ecija, 3120 Philippines