

# **LUCIANO LIMA SILVA**

## Projects Portfolio

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# Projects Portfolio – Index

- PK Software – Self Employed
    - **Consulting Services / Financial Markets / Blockchain Technology / Crypto Trading**
    - **2017-2019**
  - Deutsche Post DHL Supply Chain
    - **IT & Logistics Projects** (WMS and TMS to ERP/MRP Integration)
    - **2012-2017**
  - Nestlé / Systemplan Consulting
    - **IT Software and Hardware Asset Management**
    - **2008-2012**
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# PK Software (Blockchain / Financial / Crypto Trading)

Project Management / Team Leadership Role / Consulting Services to Business Customers

SCRUM Methodology / Agile

Project Management / Team Leadership Role

Requirements organization and documentation

Scheduling meetings with customers, vendor and developers

Preparing documents containing Project Needs, Product Backlog, Sprint templates and sprint updates

Using Blockchain as a decentralized distributed ledger and immutable database containing the cryptography information (hash) from transactions. Those transactions are stored using the P2P (peer-to-peer) architecture. Ensuring data safety, stability and trust. Security protocol SHA-256.

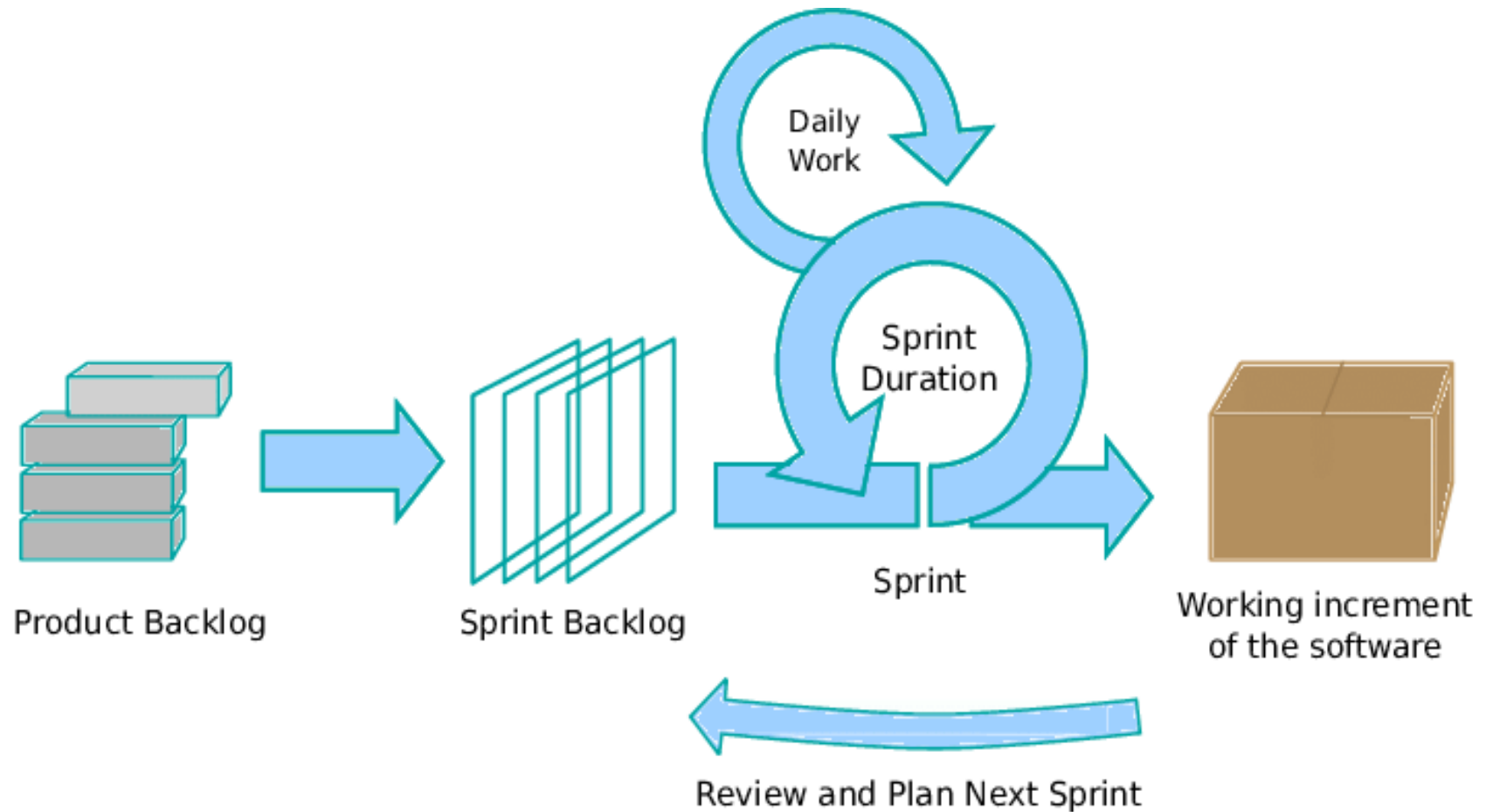
Knowledge of the financial market (fundamentals, technical analysis, tape reading/Order Flow) techniques and able to read the financial information related to each Product

The main Python script is published at: <https://github.com/lucianolima1933/Projects>  
Under Copyright and GNU license (for Students or employers /businesses)

## PK Software (Financial /Crypto Trading)

Methodology	Description
Project Business Case Summary	Development of a Trading Software (buy and sell financial assets) on a crypto exchange, using REST API / JSON, VB.NET (front end) and Python (backend, Websocket for Real time data)
# of members involved	(3 developers, 2 customers/sponsors, 1 partner/manager, 1 Product Owner): Total 7
Prioritized Product Backlog	Functional Specification (User Stories), acceptance criteria and tests criteria
Release Schedule	6 weeks/sprints: 3 weeks for Websocket and REST API connection/streaming, 3 weeks for .NET and REST platform
Sprint Backlog	Based on customer requests, some increments were made, for example, including de codes of each request into the order management.
# of Sprints	total of 6 sprints using Scrum Methodology (Product Backlog, Sprint backlog and Release Plan; additionally, Burndownchart and e-mail bulletins)
Test Method	Unit Tests before each Sprint, Integrated Tests each 3 weeks, Test driven development during each sprint
Results / Delivery	After 6 weeks, the initial version of the tool was ready; more customizations (smaller project and smaller sprints) were made in order to keep continuous improvement and following the provider (Exchange) requirements

## PK Software (Financial /Crypto Trading)



Example of Scrum Methodology to build the Products

# PK Software (Financial /Crypto Trading)

Final Products: Delivering information to allow customers buy&sell crypto assets

--- BITMEX DATA Developed by PK Crypto&Asset ---

Book LII BTC/USD				Times & Trades BTC/USD			
SIZE	BID	ASK	SIZE	Timestamp	Side	Size	Price
233458	3957	3957.5	2298713	18:55:13.702	Buy	6	3957.5
104330	3956.5	3958	529432	18:55:12.494	Sell	38	3957
243047	3956	3958.5	568162	18:55:11.774	Sell	2000	3957
654953	3955.5	3959	681141	18:55:11.707	Sell	27	3957
786948	3955	3959.5	190359	18:55:11.707	Sell	20	3957
341557	3954.5	3960	285314	18:55:11.707	Sell	453	3957
1106990	3954	3960.5	278550	18:55:09.846	Sell	35	3957
336935	3953.5	3961	197587	18:55:09.846	Sell	20	3957
495780	3953	3961.5	142589	18:55:09.846	Sell	108	3957
302153	3952.5	3962	330785	18:55:09.846	Sell	973	3957

Chart Data		Amp   Frequency	
1m	2019-03-24T18:55:00.000Z: O: 3958 H: 3958 L:3957 C:3957.5 1 0.1		
1d	2019-03-24T17:17:00.000Z: O: 3979.5 H: 3979.5 L:3954 C:3957.5 25.5 2.55		

The screenshot shows the PK Crypto Platform interface. It features a top header with the PK CRYPTO and BitMEX logos. Below the header, there are several sections: Settings (Asset, Price, Qty, Side, Stop Loss, Stop Gain, Order ID), API (TESTNET, PROD, Wallet Amount, OPEN POSITION, ID, TYPE, ACTION), API RESULTS (JSON data), ASSET PRICES (ASSET, BID, MARK PRICE, ASK), and a list of folders (C:\, MERCADO\_FINANCEIRO, AUTOMATION, PKCRYPTO, DAO, github\_crypto\_vba, PKCRYPTO\_JUN18, PKCRYPTO\_JAN19). The interface is designed for managing crypto trading operations.

Trading Platform  
Accessing Blockchain data  
Visual Basic/Studio

Main Script: Real time Data / Websocket and REST API

## IT & Logistics Projects (WMS and TMS to ERP/MRP Integration)

Methodology	Description
Project Business Case Summary	Integration of Customer ERP with WMS (Warehouse Management System), in order to provide product stock information, delivery status, transportation flow, product life cycle, etc.
Project Charter	Team assignment (analysts, developers of integration layer, Project Charter creation and kick off meeting)
Functional Design	Functional Specification, acceptance criteria
Planning/Estimation	Time Units based on previous Projects / experience
Release Schedule	2 months consisting of database mapping schemas, user interface to verify product orders and flow and validation on Customer ERP module (often the MRP:Material Requirement Planning Module was used for this integration)
Test Method	Key Users from Warehouse and Key User from Customer, performing Unit and Integrated Tests
Results / Delivery Time	Most projects of this kind took from 8 to 9 weeks, except on larger customers, which require more members to work on custom solutions

## IT & Logistics Projects (WMS and TMS to ERP/MRP Integration)

Project Management / Team Leadership Role - PMBOK Methodology / Waterfall

Communication with the Team members and Customer Representatives

Reporting to Senior Leadership (Senior Manager, Director, Senior Director and Vice-President)

Functional requirements discussion with Technical Team (translation of functional to Technical Terms, which database to connect, fields mapping, script tool to integrate and how to test)

MS-Project / GANTT chart, Resource planning, time allocation, time constraints, Monetary costs (men/hour)

Weekly Meeting to report project status (physical and phone conferences)

daily written communication / e-mail bulletins

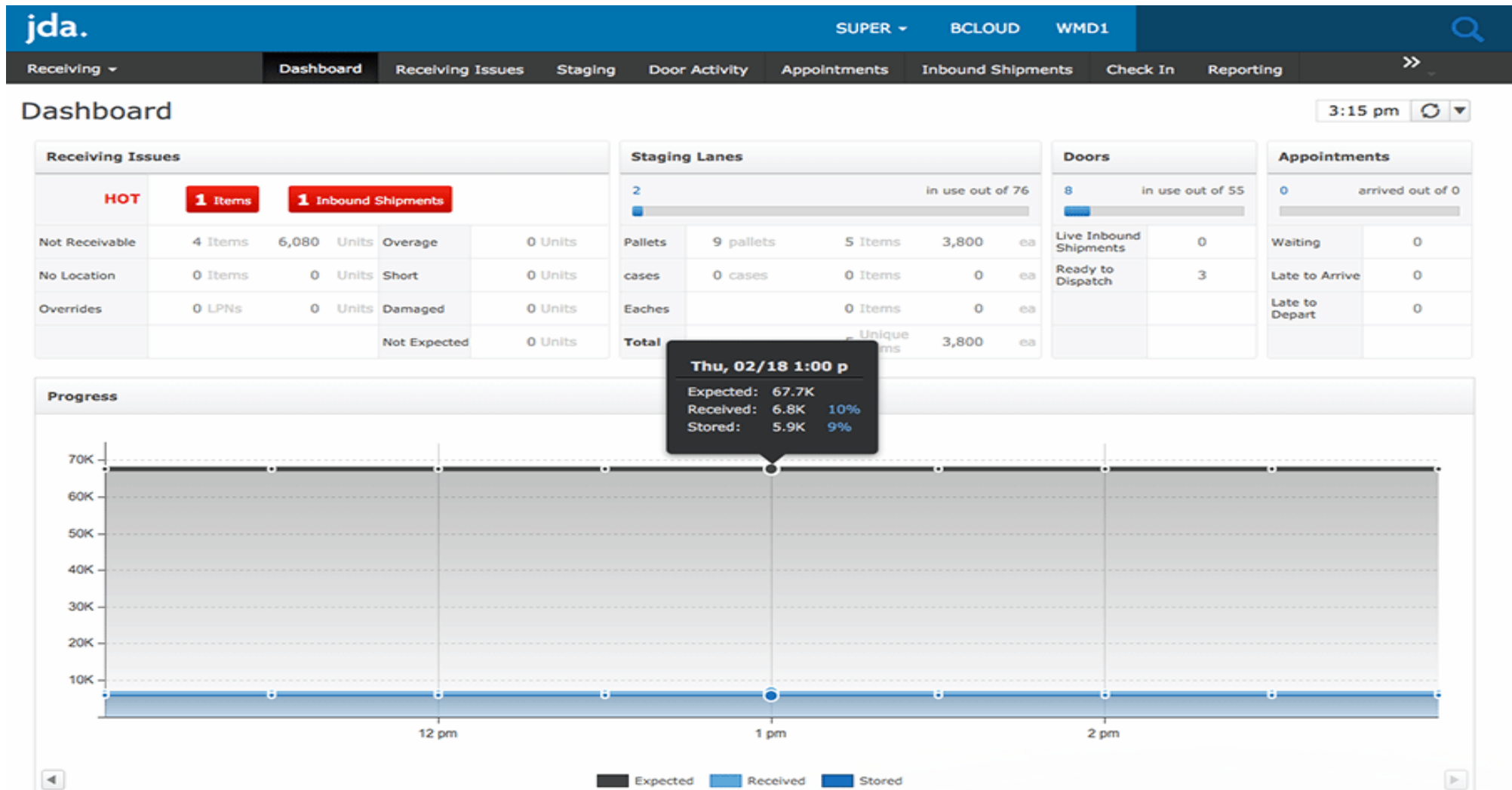


## IT & Logistics Projects (WMS and TMS to ERP/MRP Integration)



Integration Example

# IT & Logistics Projects (WMS and TMS to ERP/MRP Integration)



JDA Interface Example

## IT Software and Hardware Asset Management

Methodology	Description
Project Business Case Summary	Implementation of a Product / Solution (HP Asset Manager and uCMDB). Goal: To control the lifecycle and status of IT inventory, replacing former Spreadsheet control by a consolidated product; development not required for this Project
Project Charter	Countries identification, pilot phase definition (Brazil), followed by implementation on 7 Latin American Countries, plus another pilot on Canada
Functional Design	Documents to turn formal: Tool licenses with vendor, XML patterns to collect data and upload into the tool, system format and parameters.
Planning/Estimation	Reporting to PMO; 1 Project for each country; from Pilot Project, definition of priorities for each country, effort definitions and key user prioritization
Release Schedule	4 months for the first pilot, 10 weeks for each country
Test Method	Unit Tests related to data upload (from XLS to XML, uploading in test environment, validation and user acceptance criteria; user training using HP Asset Manager tool)
Results / Delivery Time	26 months total (approximately 3 months per country)

# IT Software and Hardware Asset Management

Project Management / Team Leadership Role

PMBOK Methodology / Waterfall

Main Point of Contact for the entire Project (Asset Management implementation)

Responsible to organize the kick off meetings, preparing communication plan, project milestones, daily report, user training

Reporting to Technology Manager, Company PMO, Configuration Management Department in Switzerland

Quality assurance of data to be uploaded, coordinator of Unit and Integrated Tests with key users

Responsible to report the weekly progress of each Project for each country

Point of contact with Vendor (HP) to address issues and lead action plans

Software & Hardware Asset Management (Product Lifecycle, automatic update on Configuration Management Database, Vendor Licensing controls)



# IT Software and Hardware Asset Management

The screenshot displays the HP Asset Manager web interface within a Windows Internet Explorer browser. The browser's address bar shows the URL: `http://am.sddg.cloud.com:8080/AssetManager/index.jsp?conversationContext=1`. The HP Asset Manager logo is visible in the top left, and a search bar with the text "Find a record" is in the top right. The user is logged in as "dpopov" with a "Tenant: Shared Data" and links for "HP Live Network", "Help", and "Logout".

The main content area shows a breadcrumb trail: "Welcome to HP Asset Manager > Microsoft-A > Oracle > List of software counters > Detail of software counter 'Oracle11g Database Enterprise Edition'". Below this is a "Find a page" search bar and a set of tabs: "Results" (selected), "Results History", "Rights", "Installations/Utilizations", "Consolidation", "General", "Technical details", "Patches", and "History".

On the left, a sidebar menu lists "Software asset management" with sub-items: "Dashboards", "User actions", "SAM Best Practice", and "Dashboard". Under "Dashboard", a list of vendors is shown, with "Oracle" selected. Other vendors include Adobe-A, Adobe-B, Autodesk, BMC, HP, IBM, Microsoft-A, Microsoft-B, Red Hat, SAP, Symantec, TIBCO, and VMware. A link "Change the counter Group by" is at the bottom of the sidebar.

The main table displays data for the selected software counter. It has columns: "Referenced object", "License entitlements", "License assignments", "License consumption", "Number of unused installations", "Sub-Corp. Compliance", and "Sub-Corp. Cost for Compl.". The table shows 6 records. The "Add" and "Delete" buttons are visible above the table. A "Filters..." dropdown is also present. The "Total records: 6" is shown at the top right of the table area.

At the bottom of the table, there are buttons: "Modify", "New", "Duplicate", "Delete" (highlighted), "Save", "Cancel", and "Back to list". An "Actions..." dropdown is on the far right.

<input type="checkbox"/>	Referenced object	License entitlements	License assignments	License consumption	Number of unused installations	Sub-Corp. Compliance	Sub-Corp. Cost for Compl.
<input type="checkbox"/>		0	0	59	48	-59	US\$2497666
<input type="checkbox"/>	IT	100	0	10	10	90	US\$-3810000
<input type="checkbox"/>	Development	0	0	55	20	-55	US\$2328333
<input type="checkbox"/>	Operations	0	0	10	10	-10	US\$423333
<input type="checkbox"/>	Corporate services	10	0	0	0	10	US\$-423334
<input type="checkbox"/>	Production	10	0	0	0	10	US\$-423334

HP Asset Manager interface Example

# Thank You!

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