

# Volodymyr Tarasenko

## QA Engineer

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### IT related experience

**JSC "The State Export-Import Bank of Ukraine"** – Technical Engineer QA (10.2017 – at Present)

I work with **"INPAS POS Master"** and **"OpenWay Way4"** system. This software system provides service for **"VeriFone™"** equipments, this system remote control payment **POS**-terminals network. Also, it's hardware/software complex for payment **EMV** card and maintenance payment card on cash registers. And I work with **"LFS"** system. This is **EDMS** - electronic document management system. It's a software program that manages the creation, storage and control of documents electronically.

// **Testing** of software payment equipments and testing backend software configuration/updating software and testing software of **POS terminal** for **Visa, MasterCard, PROSTIR, AMEX**.

// **Bug fixes** and performance improvements, Load dump file/**log** from **POS terminal**

// **upgrade/downgrade software** Update Operation system of payment terminal using

// use **DOS script** commands in **files.bat**, work with (**USB** converter to **RS-232**), **Terminal Server** (Windows Server)

// Setting of channels of connection between the VeriFone™ POS (point of service) terminal and bank equipments (**DHCP/GSM modem** - with help AT command) Servers **"INPAS POS Master"/"OpenWay Way4"** system

// Installation of trade equipment at the trader

#### During last year when I'd free time I was learning C++ on RaspberryPi

I learn **C++** on embedded device. I can worked with OS **Linux** Debian on RPi and **QTCreator** on this board. Also I have been tuning on my desktop with **Windows** 10 plus **CLion** 2020 for remote run/debug code **C++** on Raspberry Pi.

// I can work installation and configuration **QTCreator** on Rasbberry Pi Linux create **.sh** file for autoimmunization when it was needed to reinstall software I use **MC** (Midnight Commander)

// I can run code **"POCO WebServer"** [www.pocoproject.org](http://www.pocoproject.org) configuration by using **CMake** for **Debug**

// I used remote access to board **Putty ssh** or **FAR commander, VNC, ftp**

// For convenience edit **C++** code I used **CLion** editor on Windows and I edited **CMake** for debug code on my desktop **GitHub**:

[https://github.com/dotignore/Raspberry/tree/master/Raspberry\\_Cpp/3\\_webfiles\\_cpp/edit\\_05\\_Qt%2BDebug\\_release](https://github.com/dotignore/Raspberry/tree/master/Raspberry_Cpp/3_webfiles_cpp/edit_05_Qt%2BDebug_release)

// I really spent a lot of time for tuning **VSCode** Debug mode on **Raspberry Pi** and I couldn't run **JSON** file in this **IDE** for debug **C++** code on board. May be such a problem connect with absent file

◆ **CMakeLists.txt**

**Electrical engineer** – Self-employed

(03.2013 – 10.2017) - 4 yrs 9 mons

Electrician, Network Installation Architect, Reconstruction, used Autocad ,etc

Architectural draftsman and designer, engineering plans for projects developing

◆ **SmartHome** – Trainee

(10.2016 – 02.2017) - 5 mos

This project consists of two parts **HW/SW**. My work in most part consisted of installation changing hardware parts (board switch relay module, on/off switch, temperature sensor, gas detector module, humidity sensor etc.) and I connected them to local network **rj45/wifi**. The **SW** (SoftWare) part worked on computer and provided service for remote control **HW** (HardWare) board relays. I learnt **C#**

◆ language programming on test server.

**Computer First-aid service –Self-employed**

(08.2011 – 03.2013) - 1 yr 8 mons

Installed SW, installed drivers for devices, recovered DATA, etc.

**Service engineer – Профи Газ**

(04.2011 – 07.2011) - 4 mons

Find & fix in AUTOGAZ ECU STAG in petrol **ECU** (Electronic Control Unit), driving on gas, **UpGrade, DowdGrade firmware** ECU STAG (www.ac.com.pl). (**PCB**) AUTOGAZ ECU STAG principal scheme analytics, find & fix broken cars' wiring, required electronics components purchasing, automotive alternator fix

**Head of the e-commerce site – e-commerce site E7.com.ua**

(09.2009 – 04.2011) - 1 yr 8 mons

// website testing, 1C software testing, create design **UI** website, website promotion, network installation, company server installation on **Windows 2003 Server + Firewall, RDP, HTTP, FTP** services, client computers' installation software. Management of a small team: 2 developers team supervision (1C developer and PHP developer), tasks creation, tasks implementation supervision, **Web Hosting**

**Call Center Engineer-operator - JSC "The State Export-Import Bank of Ukraine"** (09.2003 – 08.2009) 6 yrs

// operation monitoring, payment systems (Visa, MasterCard) network channels monitoring, clients support

**Senior Sales Manager – Ronex**

(04.2000 – 07.2002) - 2 yrs 4 mons

Company server installation on Windows 2000 Server + "RAID 1", clients computers installation, 1C accounting installation, mail service installation, Firewall installation, chat service, IBM PC assemblage, LAN network installation, company telephone network installation and automatic telephone exchange programming.

**TECHNICAL SKILLS**

**Hardware:** USB to RS-232, VeriFone, Raspberry Pi, recovered DATA, Multimetr, Soldering, ECU (Electronic Control Unit), Fix, RAID, LAN

**Operating Systems:** MS Windows Server (RDP, FTP, HTTP, HTTPS, POP3, SMTP, Terminal Server etc) Putty  
Linux: MC Midnight Commander, VNC, terminal, .sh scripts etc  
FreeBSD: (kernel configuration, SSH, proxy, firewall, DNS) etc  
Macintosh/Hackintosh/MS DOS

**Experience:** Eagle PCB CAD schematic capture user.

**Software:** VMware, Parallels Desktop Inventor, Web design/UI (User Interface), Adobe Photoshop, Adobe Illustrator, FinalCut, Rhinoceros 3D modeling, MS Office, etc

**Programming Languages:** HTML, C++ (compil/debug code), QtCtaretor, CLion, Visual Studio/VSCode, CMakeLists.txt, JSON

**Banking Skills:** POS Master POS terminal, OpenWay Way4, Testing, Visa, MasterCard, AMEX, Inpass, EMV, "LFS" system this is EDMS - electronic document management system

**Installation:** network/telephone (UTP/FTP cable, low electric 220V/380V)

**Other skills:** SDR (software defined radio), DMR radio, Soldering, Multimetr, Oscilloscope, UpGrade/DowdGrade firmware on Android device, OpenWRT, AutoCAD, REI - rules of electrical installation Ukraine, Electrical installation guide According to IEC international standards "Schneider Electric S.A."

**EDUCATION**// Kyiv National Economic University, **Applied statistics**, Masters degree diploma M16 #019015 2016// Professional Technical School, 3rd category **electrician**// Specialized Courses, 1st category **radio equipment adjuster****Languages:** Russian\Ukrainian – native, English – Upper-Intermediate**Driver's license** - category "B"

A lot of information about my hobby and work you can see my GitHub

[https://github.com/dotignore/Raspberry/blob/master/differents\\_things/README.md](https://github.com/dotignore/Raspberry/blob/master/differents_things/README.md)