

Volodymyr Tarasenko

Engineer

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IT related experience

JSC "The State Export-Import Bank of Ukraine" – Head specialist-analyst (10.2017 – 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 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

// 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