

Volodymyr Tarasenko

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IT RELATED EXPERIENCE: Hardware Engineer

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

Programming Languages: HTML, MySql (writing simple queries), C++ (compilation/debug code), QTQtaretor, CLion, Visual Studio/VSCode, C# (compilation/debug code), POOCO WebServer, CMakeLists.txt, JSON

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

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

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

Other skills: UpGrade/DowdGrade firmware on Android device, OpenWRT, AutoCAD, REI - rules of electrical installation (ПUE - Правила улаштування електроустановок), Electrical installation guide According to IEC international standards "Schneider Electric S.A." - 2016

Employer:: JSC The State Export-Import Bank of Ukraine (10.2017 – at present)
<https://www.eximb.com/>

Role:: Software Engineer

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

Participation:: // Setting of channels of connection between the VeriFone™ POS (point of service) terminal and bank equipments (DHCP / Initialization GSM modem with help command line / Initialization modem phone line)
// Installation of trade equipment at the trader
// Testing of software payment equipments and testing backend software configuration/updating software and testing software of POS terminal for Visa, MasterCard, PROSTIR, AMEX.
// upgrade software Update Operation system of payment terminal using

Technologies::	// Bug fixes and performance improvements, Load dump file/ log from POS terminal // use DOS script commands in files.bat, work with (USB converter to RS-232), Terminal Server (Windows Server) RS-232 / DOS / scripts / batch file / VeriFone / POS Master / EDMS / Terminal Server / DHCP / Initialization GSM modem with help command line / Testing / Visa / MasterCard / PROSTIR / AMEX / OpenWay / Inpass / EMV / POS terminal	
Description::	During last year when I've free time I'm learning C++ on RaspberryPi I learn C++ on embedded device. I run OS Linux Debian on RPi and QTcreator on this board also tuning on my desktop with Windows 10 plus CLion 2020 for remote run/debug code C++ on Raspberry Pi.	
Participation::	// Install and configuration QTcreator on Rasbberry Pi Linux create .sh file for autoimmunization when need reinstall software use MC (Midnight Commander) // Run code " POCO WebServer " www.pocoproject.org configuration by using CMake for Debug // I use remote access to board Putty ssh or FAR commander, VNC, ftp // For convenience edit C++ code I use CLion editor on Windows and I edit CMake for debug code on my desktop // I realy spent a lot of time for tuning VSCode Debug mode on Raspberry Pi and can't run JSON file in this IDE for debug C++ code on board may be this problem connect with absent file CMakeLists.txt // GitHab Где опіт программирования	
Technologies::	Raspberry Pi, GitHab, C++, CMake, QT, CLion, Debug, bash, putty, ssh, ftp, WEB serwer Poco, VNC, Linux, .sh, FAR commander, MC Midnight Commander, JSON, Windows, POCO WebServer, CMakeLists.txt, VSCode	
Employer::	SmartHome	(10.2016 - 02.2017) - 4 mos
Role::	trainee C#	
Description::	This project consists of two parts HW/SW. My work in most part consist of install/changes hardware parts (board switch relay module, on/off switch, temperature sensor, gas detector module, humidity sensor etc.) and I to connect they to local network rj45/wifi. SW (software) part worked on computer and provide service for remote control HW (hardware) board relays. I learned C# language programming on test server.	
Technologies::	C#, Visual Studio	
Employer::	Self-employed	(03.2013 – 10.2017) - 4 yrs 9 mons
Role::	electrical engineer	
Participation::	Electrician , Network Installation Architect , Reconstruction, etc Architectural draftsman and designer on Autocad , engineering plans for projects developing for create electricians plan I use EIR book (Rules of Electrical Installation) etc	
Technologies::	Autocad, electrical installation rules, etc	
Employer::	Computer First-aid service	(08.2011-03.2013) - 1 yr 8 mos
Role::	self-employed	
Participation::	Installed/reinstalled Windows, installed drivers for devices, recovered DATA Windows/flash memory/ HDD, etc.	
Employer::	Профи Газ	(04.2011 – 07.2011) - 4 mons
Role::	http://profigas.ua/ Service Engineer	

Description::	This service station installation LPG (Liquified Petroleum Gas) equipment to car. My work link with find brokens and next to repair their, ECU (Electronic Control Unit) blocks control work engine on LPG.	
Participation::	// Use multimetr/soldering for find & fix in AUTOGAZ ECU “STAG” in petrol ECU 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	
Technologies::	multimetr, soldering, HW, SW, firmware, UpGrade, DowdGrade, fix, ECU	
Employer::	e-commerce http://e7.com.ua/	(09.2009 – 04.2011) - 1 yr 8 mons
Role::	Head of the e-commerce site	
Participation::	// create UI (User Interface), website testing, website promotion, work with Web Interface Hosting provider //network installation, company server installation on Windows 2003 Server + Firewall (ISA Internet Security and Acceleration Server 2003) , RDP, HTTP, FTP etc. // client computers’ installation software // Management and coordinate of a small team: 2 developers (1C, PHP) team supervision, tasks creation, tasks implementation supervision)	
Technologies::	RDP, HTTP, FTP, Firewall, Windows Server, UI, Web Hosting	
Employer::	JSC "The State Export-Import Bank of Ukraine" https://www.eximb.com/	(09.2003 – 08.2009) - 6 yrs
Role::	Call Center Engineer-operator	
Participation::	// operation monitoring, payment systems (Visa, MasterCard) network channels monitoring, clients support, OpenWay	
Employer::	Ronex http://ronex.com.ua/	(04.2000 – 07.2002) - 2 yrs 4 mons
Role::	Senior Sales Manager	
Participation::	// Company server installation on Windows 2000 Server + “ RAID 1 ”, clients computers installation, 1C accounting installation, M-Deamon mail service installation, Firewall installation, chat service, IBM PC assemblage, LAN network installation, company telephone network installation and automatic telephone exchange programming .	
Technologies::	Windows 2000 Server, RAID, LAN, OSI, 1C, network, Firewall	
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:	English – intermediate, Russian\Ukrainian – native	
Driver's license	category “B”	
This is GitHub, you can see more information https://github.com/dotignore/Raspberry/blob/master/differents_things/README.md		