QA Engineer

Address: Ukraine Kyiv

IT related experience

JSC "The State Export-Import Bank of Ukraine" - Technical Engineer QA   (10.2017 – Present)
Testing of **Commerce Applications** for **payment** POS-terminals. In a **test terminal**, I used to simulate payment actions without making real, if actual payments terminal I create issue in **Data Base**. If this terminal needs install to point of sale I testing works it device on work payment and communications.
Front-end testing: User Interface menu in POS-terminals, checking the printed receipt, testing work payments (NFC, magnet stripe and EMV), communications (GSM/DHCP) ... etc.
Back-end testing: our external developer send to bank **fix**es for our server I test this fixes after that, if something wrong work I switch terminal to **debug mode** and download **log file** with help **RS232** port and finding errors if I can't finding errors then send this data to out developers ... etc.
Creation/Update documentation for end-users POS-terminals. Using already ready **manual test** cases in my job for functional menu and **regression test**. Troubleshooting configuration issues. Component, integration new equipment in system, system testing. **Testing tools: OTRS** (bug tracking tool) this system work on side our developer server. Knowledge of FTP/Shell/SSH/RDP... etc. **Customer support**. Direct communication with customers. Customer problem solving.
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/debag 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 **Debag**
// 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 debag code on my desktop GitHub: https://github.com/......
// I realy spent a lot of time for tuning **VSCode** Debag mode on **Raspberry Pi** and I couldn't run **JSON** file in this **IDE** for debag C++ code on board. May be such a problem connect with absent file **CMakeLists.txt**

Electrical engineer – <u>Self-employed</u>   (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   – <u>Trainee</u>   (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 –<u>Self-employed</u>   (08.2011 – 03.2013) - 1 yr 8 mons
Installed SW, installed drivers for devices, recovered DATA, etc.

Service engineer – <u>Профи Газ</u>   (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/debag 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**

Personal qualities: Ability to work independently with very little direction/supervision, analytical, self-organizing skills, troubleshooting, responsible, honest, sociable.
Languages: Russian\Ukrainian – native, English – Upper-Intermediate
Driver's license - category "B"

More information about my hobby and work you can see my GitHub
https://github.com/......