

Victor Kozub - Linux Kernel Engineer

Github: <https://github.com/xen1024/awesome-public>

Github: <https://github.com/web3cryptowallet>

Github: <https://github.com/d08ble>

Linkedin: <https://www.linkedin.com/in/viktor-kozub-86bb9826/>

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About

Experienced Linux Kernel Developer with a strong background in low-level system programming, device drivers and kernel module development. Proven ability to optimize performance, debug complex issues, and contribute to upstream codebases. Skilled in C, C++, Python and cross-platform development for embedded and high-performance systems.

Experience

2012-2025 Animation CPU Studio - Founder

Mobile game development platform for smart developers

Game prototyping

- ACPUL programming language
- UI/UX
- C++/C/GLSL
- never crash
- never halt
- secure (not browser, minimum code), can run on kernel level (using IncludeOS like)
- multiple running platforms, code compile to c++ (multiple platform bindings is possible Python, Java, Flash)
- creative development of games easy like playing in games
- not only games, future UI and systems
- light asm core, same code can work on microcontrollers (for internet of things)
- minimalistic declarative language
- VR/OpenCV easy api

- backstep debugger
- team development on mobiles together realtime
- easy parallel optimizations (possible implement multicore hardware ACPU implementation)

mobile, ios, ACPUL, C++, C, GLSL, Programming language, Yacc, Bison, Coco/R, OS, web, LiveComment

2013 Valgrind - MacOS System Developer

Update Valgrind 32-bit memory checker for MacOS 64-bit

asm, 32-bit, 64-bit, C, C++, kernel

2013 QEMU - Developer

QEMU VM researcher

- backstep in QEMU
- resource monitor
- networking

C, C++, QEMU, VM, kernel, drivers

2006-2008 Trust Matta - Team Manager and Lead Developer

Network security scanner. Kiev office management, 6 peoples.

Project planning IPO - 220,000,000\$

Linux, Database, Security, Clustering, Web, Networking

Scanning 18,000 IPs for malware of NY Exchange over night

- GNU make tools (make, automake, autoconf, etc...)
- GNU development tools (gcc, gdb, etc...)
- Version control tools (CVS, SVN)
- Databases backend (MySQL, PostgreSQL, Oracle)
- OOP, STL
- Multithreading
- Networking, sockets, TCP/IP ! Webservice
- Optimization, refactoring
- C/C++
- Python

- Php
- Shell scripts
- Automake scripts

C, C++, Python, shell, automake, mysql, postgres, PHP, JS, web, networking, scanner, security, core, linux, kernel, drivers

2004-2006 Wicom Technologies - Embedded Linux Developer

Startup: Internet radio player to join 2M Ukraine immigrants from Canada and thousands of Ukraine radion stations.

Co-founder Ruslana Lyzhychko

Internet radio with server & hardware receiver development.

Embedded linux, bootloader, cli tools and drivers.

H.264 codec optimization for au1200 processor.

video, audio, codecs, streaming, embedded, cross-platform, internet radio, internet video player, au1200, VoD, optimization, MPEG-1, MPEG-2, h.263, c, c++, asm, arm, mips, shell, automake, busybox, Samsung, Windows, Linux, Networking, Database, Security, drivers

2003-2004 System Group - PoS Terminal Developer

Datacs MP50 POS Terminal development

Embedded system, Networking, Security

- Linux
- Embedded
- C/C++
- Assembler x51
- Reverse engineering

c, c++, asm, reverse, optimization, drivers

1999-2000 vi-comp - Developer

Audio compressor/filter DSP

Hack PDS-51 simulator

- C
- Assembler x51
- Reverse engineering

C, DSP, asm, x51, embedded, C, asm, x51, x86, reverse engineering, drivers

2000 Ukraine National Antivirus (UNA) - Developer

Outpost Firewall plugin development for antivirus scanner

realtime file scanning while transfer over network

- NET-BIOS ! CIFS
- POP3
- SMB
- TDI ! C++
- Reverse engineering protocol

C++, SAMBA, POP3, CIFS, SMB, reverse engineering, realtime, antivirus, drivers

1998-1999 vi-comp - LED Screen Developer

LED Screen RG 16x8 device embedded software and windows editor

- Embedded VFX
- Windows Editor
- VM
- GL

Embedded, AVR, Assembler, C, LED RG 16x8, drivers, Windows, Pascal, Delphi

1997 vi-comp - Phone Developer

Phone CallerId UA-2000

Phone OS from the scratch

- CallerId detection algorithm
- Event-based internal system
- White and black list
- Clock
- Calendar
- Anti CallerId
- Call redirection
- CallerId detection

- Voice Speaking on Russian or Ukraine languages over 100 phrases ! Contacts Book
- Outgoing/Incoming calls
- Melody rings
- Line Hold
- Autocalling on multiple numbers
- Remote control
- Voice messages support
- DTMF generation and detection
- Assembler x51
- C
- Hardware
- Reverse engineering

embedded, phone, RTOS, drivers, asm, x51, 64KB ROM, C, reverse engineering, disassemble, optimization, sec, DTMF, tunes, voice, clock, calendar, phone, white/black list, CallerId detection, line hold, voice messages, address book, outgoing/incoming calls ## Educational Background ### National Technical University of Ukraine 'Kyiv Polytechnic Institute' (2001) Master of Computer Science Specialist's degree in Microelectronics and Software Development ### Kyiv Industrial-Economic College (1999) Bachelor of Electronic Devices ### Pioneer Startup Accelerator (2020) Pioneer Tournament School. Founder Clubavatar.app, Top-30 Europe

Notes

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