

Victor Kozub - Python Developer

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

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

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

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About

I writing secure, highly optimized code and building robust, scalable architectures. My journey began with programming microcontrollers like 8051, PIC, AVR, and 8086, where I developed my first RTOS and worked on hardware projects in a garage with a college friend. My foundational expertise lies in low-level programming with Assembler, C, and Verilog. In the pre-GPU era I developed numerous highly optimized firmware solutions for devices such as a Multifunctional Caller-ID with Voice using 64k ROM assembler code, 4-voice polyphony on an 8052 running at 20MHz, a billiard timer with a remote control featuring encryption and an RG LED screen with a 16x8 register block.

Experience

2024 AI WEB3 Bittensor - Web3 AI Developer

Bittensor core development and multiple subnets research. Creating Miner and Validator for compute subnet.

Benchmarking AI algorithms for the latest AI hardware (A100, H100).

Hashcat GPU kernels.

Tensorflow training benchmarks, PyTorch and TinyNN benchmarks.

Research models for video, audio, forecast, GPT and more.

The world's first visual mining algorithm KudoMine.

Cloud services Akash network integration: docker image, kubernetes and web panel, CLI scripts with provider-services, docs'

ai, web3, bittensor, TAO, compute-subnet 27, bittensor core, Python, CUDA, C, C++, PyTorch, TensorFlow, TinyNN, LangChain, LlamaIndex, LLaMA, miner, cuda miner, KudoMine algorithm, optimization, akash network, Docker, Kubernetes, cloud, services, A100, H100, 4070, 4090, NVIDIA, JavaScript, TypeScript, web, LiveComment

2020 Pionner.app Remote Startup Accelerator - Founder cluba-vatar.app

Participated in the Pioneer.app remote startup accelerator with several startups: AR/VR virtual club clubavatar.app, the AI generator likeplus.plus and the gaming platform animationcpu.com. clubavatar.app was selected among the Top 30 startups in Europe.

startup, accelerator, Pioneer.app, coach, founder, AR/VR, mobile, iOS, web, no-code, game, generative, ai, avatar, NextJS, node, JavaScript, TypeScript, web, C, C++, Python, Swift, Objective-C

2012-2014 Startup Camcall.me - Co-founder, CTO, Developer

Startup: Better Chatroulette.

Co-founder and CEO Anthony Lysenko (Florida).

Building a video call platform with a patented solution.

I inherited outdated code written in Ruby on Rails and Flash, which had many shortcomings. It was transformed into a modern stack using NodeJS, WebRTC, and React, with a fast signaling server built in Python.

streaming, WebRTC, WebSockets, Flash, web, Signal server, Media server, Ruby, Ruby on Rails, Flash, Python, NodeJS, React, JavaScript, HTML, CSS, LESS, SASS, Jade

2013 Fifa Game Bot - Co-founder, Developer

Fifa Game Bot

- C#
- JavaScript
- Python

C#, Python, JavaScript, reverse, protocol, hacking, bot, web, gamedev

2011-2012 AllBusiness24 - Team Lead, Developer

SaaS platform

- Django
- Python
- HTML, CSS, JavaScript

Django, Python, SaaS, JavaScript, web

2011 Pokki Challenge Hackaton - Face2Meeting - Video chat Developer

Skype-like video calls for Pokki Challenge.

Creating the best video chat on the Pokki platform.

The platform was developed in record time and was delivered on schedule for the \$30,000 competition.

I used the open-source Cumulus RTMP Server for the connection, the only solution that worked within the deadline.

video, chat, streaming, web, pokki, Python, JavaScript, AS3, Flash, RTMP, Cumulus RTMP Server

2008-2010 Startup - Founder, Developer

Adobe Flash to iPhone Converter

Memory and performance optimization for mobile

performance, optimization, graphics, animation, Objective-C, C++, C, MacOS, Xcode, iPhone SDK 3.0, Flash, AS3, C#, .NET, Python, OpenGL, Cocos2D

2009 Freelance - Chat bot Developer

Good Game Chat Bot

- Python
- Reverse engineering
- Networking

web, python, protocol, reverse engineering

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 ## 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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