

Victor Kozub - Web Developer

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/>

Email: pungg10kk@gmail.com

About

HTML5 Developer with a full spectrum of web development expertise, having built and deployed internet-scale applications. Skilled in:

HTML5, CSS3, JavaScript (ES6+), TypeScript, React, Angular, Vue.js, Next.js, Node.js, Express.js, WebAssembly, REST APIs, GraphQL, WebSockets, Progressive Web Apps (PWA), Service Workers, Tailwind CSS, Sass/SCSS, Bootstrap, jQuery, WebGL, D3.js, Three.js, MongoDB, PostgreSQL, MySQL, Redis, Firebase, Docker, Kubernetes, Nginx, Apache, AWS, and CI/CD pipelines.

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

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 Floris NodeJS HLS Filter - Developer

Developing an optimized Node module for HLS color correction in video production 4K workflows using the DeckLink SDK by Blackmagic Design.

C, ffmpeg, FullHD, 4K, NodeJS, npm, web, DeckLink SDK

2020 Roddy Lindsay - Remote Spatial Environment - Web Audio Streaming Developer

Work for Roddy Lindsay co-founder at Hustle (San Francisco)

8-16ch audio stream A-Frame developer. Wowza/AWS/nginx/ffmpeg/A-Frame

- 1) Create 8-channel audio streaming and VR for the Envelop club based on OBS Studio, ffmpeg, Wowza, A-frame

2) Analysis & research, code development, create testing environment, testing & improvements, deploy

3) Multiple stages with success:

Stage 1: Create 8ch AAC HLS RTMP audio streaming server with OBS Studio, ffmpeg, Wowza

Stage 2: Create Javascript Web App Safari/Chrome/Firefox/Opera audio player

Stage 3: Patch OBS for support 8ch AAC HLS RTMP

Stage 4: Patch ffmpeg for support 8ch AAC HLS RTMP

Stage 5: Migrate from Wowza to AWS EC2, add Docker configuration

Stage 6: Build shell and docker scripts for local development and testing multiple configurations

Stage 8: Configure RTMP stream authentication with nginx and PHP

Stage 9: Testing variable ffmpeg, OBS and browser player and stream configurations

Stage 10: Migrate from AAC and HLS to to MPEG-DASH and Opus

Stage 11: Patch ffmpeg, for support 8ch MPEG-DASH and Opus

Stage 12: Patch OBS for support 8ch AAC HLS

Stage 13: Update Docker configuration

Stage 14: Testing & debugging 8ch player Safari, Chrome, Firefox, Opera

Stage 15: Improve to 16ch and fix issues

Stage 16: Success working 16ch with Docker Compose

Stage 17: A-Frame analysis and patch for support 16ch

audio, spatial, streaming, web, OBS, ffmpeg, AAC, HLS, MPEG-DASH, 16ch, WebRTC, AWS, EC2, Docker, Docker Compose, Javascript, A-Frame, Safari, Chrome, Firefox, Opera

2020 Pioneer.app Remote Startup Accelerator - Founder clubavatar.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

2015-2016 Nodeca - Web Developer

WebGL image resize for popular NodeJS module pica

GPU optimization

NodeJS

JavaScript

GLSL

WebGL

NodeJS, JavaScript, GLSL, WebGL, web, npm, image processing

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

2014 Freelance - WebGL Game Developer

WebGL planet generator

- GLSL
- PIXI.js
- JavaScript

GLSL, PIXI.js, JavaScript, gamedev, web

2014 LiveComment NPM module creator - NodeJS Developer

LiveComment NodeJS web framework

- NodeJS
- Architecture

- Planning tool
- Sandbox

node, npm, JavaScript, web, framework, NodeJS

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

2012 Fontello Pica NPM - Web Developer

Fontello iconic font generator upgrade

- NodeJS
- Nodeca
- JavaScript, HTML, CSS

web, Pica, node, npm, JavaScript, HTML, CSS, WebGL, math, optimization

2011 Startup - Founder, Developer

Kickstarter Discovery Tool

- Objective-J
- JavaScript, HTML, CSS
- Scan kickstarter projects donations
- Build analyze graphs

web, obj-j, JavaScript, Kickstarter

2011 Startup - Co-founder, Developer

Team management and web messaging platform

- Objective-J
- JavaScript, HTML, CSS
- File sharing
- Contacts, messages

web, obj-j, JavaScript, messenger

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

2011 Vernichi - Developer

Upgrade web site for Vernici OPT

- Drupal modules upgrade
- PHP

Drupal, PHP, CMS, Drupal modules, web

2010 Best Friends Group (BFG) - Co-foundder, Joomla PHP Developer

Jewellery Shop e-Commerce web-site

- Joomla
- PHP
- CSS
- HTML

PHP, Joomla, CMS, CSS, web

2008-2010 Best Friends Group (BFG) - Team Lead, Developer

Media Streaming Center, Team Lead of 4 people team

Online media file sharing service via a web panel. Features include group and user management, access rights, file management, uploading and downloading of video and audio files. Distributed Windows ASP.NET servers for storage and uploading of large files through a web interface using JavaApplet. Video playback supported via Flash and Silverlight. System services handle background processing and conversion of video files.

streaming, video, audio, VoD, ASP.NET, C#, .NET, MSSQL, Silver Light, CruiseControl .NET, Winows Media Services, Windows, Web, Flash, Database, Java, JavaApplet, JavaScript, Windows shell scripts, web

2009 Cion Systems - Lead Developer

Active Directory Backup & Recovery

Solution for AD backup/recovery. Client-server application.

- Windows, .NET
- ASP/C# .NET
- Microsoft visual studio .NET
- Database MSSQL

ASP.NET, C#, .NET, MSSQL, Active Directory, web

2009 Filzah Misran - Visual Search Engine Developer

Visual Search Engine

Search youtube videos by image

ai, FlaNN, NN, CV, youtube, web, C, shell

2009 Best Friends Group (BFG) - Co-foundder, Web Flash Developer

Marlon <http://marlon.in.ua/>

Flash site

- Flash
- Action Script 2.0
- XML
- Animation
- Graphics

- Design

Flash, AS2, web, animation, design

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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