

ABOUT ME

Highly skilled and motivated Senior Software Developer specialized in programming and development, seeking full-time, part-time, or projectbased remote opportunities. With expertise in a broad range of programming languages and technologies and a primary focus on C++ (13 years) and C# (6 years), I bring versatility, depth, and years of experience to the table. I am available for immediate start and open to travel anytime to work.

ENGINEER DEGREE IN SOFTWARE

State Social

DEVELOPMENT

EDUCATION

University(MGSU/RGSU) Institute of Information Technology / **LANGUAGES ENGLISH**

JAPANESE

RUSSIAN

LINKS

Web: https://kifishin.pro/

REFERENCE

JASON GRAD CEO

http://www.linkedin.com/in/kon

stantin-kifishin-3798bb35

Massive Inc E: jason@joinmassive.com

KONSTANTIN KIFISHIN

LEAD SOFTWARE DEVELOPER/GPU ARCHITECT

Any for remote work +817040714306

me@kifishin.pro

C++

SKILLS

FINANCE(STOCKS/CRYPTO/INDICATORS/EA)

NETWORK/SOCKETS

IMAGE RECOGNITION/PROCESSING **PYTHON**

REST/WEB GPU(CUDA/OPENCL) MOBILE DEV(XAMARIN/NATIVE):

OPTIMIZATION/DEVELOPMENT IOS/ANDROID DATABASES: NOSQL,MSSQL/MYSQL,ORACLE AI: LLAMA2, PATHFINDING, DECISION MAKING

GUI: QT/WXWIDGETS/WINFORMS,IMGUI,CEGUI GRAPHICS: OPENGL/DIRECT3D/VULKAN

C#

MULTITHREADING

BIOMETRIC AUTH

WORK EXPERIENCE

Software developer[Finance]

Developed a specialized financial software that

seamlessly downloads historical data spanning 10 years

software skillfully generates the Heiken Ashi indicator

from InteractiveBrokers and KuCoin, encompassing stocks,

futures, and cryptocurrencies like BTC,ETH and others. The

Jan 2018 - Nov 2023

EXTERNAL

PROJECT

MASSIVE INC

Jan 2020 - Oct 2023

from this data, followed by the creation of Renko bars, supporting three distinct types of Renko with adjustable retention. It proficiently calculates and estimates profit/loss and various financial ratios, aiding in strategizing simple yet effective trading methodologies. Additionally, the software is equipped with features for rating investments, fetching detailed information about companies, including upcoming dividend dates, and spotlighting notable companies based on the data analyzed. It also streamlines the process of adding or removing companies from the user's investment portfolio. Lead software developer[Crypto/web3] Developed a comprehensive adblock system that functions as a DNS server. Engineered a load balancer for cryptocurrency mining operations, designed to limit resource usage to 40%, evade antivirus detection, and minimize interference with

handling issues like non-starting, freezing, or crashing Implemented a residential proxy client that receives data

user computer resources.

via WebSocket, establishes secure HTTPS connections from the user's machine, and relays data back to the Integrated interoperability with YOLO3 and a WebSocket rerouting server, enabling clients to send image recognition requests over the network for quick responses. Utilized libUV and file systems for IPC communication, enhancing module communication efficiency compared to the traditional socket system. Conducted extensive SDK improvements focusing on code quality and resolving thread-related issues. Learned Docker and developed a simple tool in C# to streamline deployment on the Akash web3 network for virtual machines. Enhanced skills in Rust, Python, and C# while working on various applications.

Created a self-updating module system capable of

Implemented advanced integration and setup for the YOLO neural network, incorporating hardware acceleration and Nvidia's neural network version for efficient video detection. (C++, YOLO) Development of Movement Detection System: Engineered a movement detection module with noise filtering

Construction of IP Camera Search Module: Developed a module for searching IP cameras, leveraging ONVIF

Integration and Enhancement of YOLO Neural Network:

Lead Software developer[CCTV/AI]

capabilities using OpenCV. (C++, OpenCV)

into smaller fragments, and saving them as files. (FFmpeg, C, C++) YouTube Integration for Video Uploads: Integrated with Google's YouTube.v3 for uploading captured videos, with additional resume and settings functionality. (C#, C++) RTSP Streaming for YouTube Live: Implemented RTSP streaming to support live video uploads to YouTube. (FFmpeg, C++) C++/C# JSON Bridge: Developed a bridge for JSON data

facilitate use of the application from other C++/C projects. (C++, C)'Streamer' Concept Implementation: Designed a 'streamer' concept to enhance performance and reduce memory usage. (C++) Telegram Integration with TDLib: Integrated Telegram's TDLib for uploading videos to Telegram and setting up a

framework for frame output and transformation into Qlmage/shader paths. (Qt, C++, OpenGL) WebSocket Server Development: Established a WebSocket server for unified communication with a web-based cutter and app. (C++) XML File Management Module: Created a module for

support and a portable web server. Multithreaded Qt IP/Route Settings: Ported IP/route settings to a multithreaded Qt version. (C++, Qt) Telegram Client Development in C#: Developed a Telegram client for authentication, group management, and video sending. (C#) Auto Proxy Finder Tool: Created a tool for finding proxies (Socks4, Socks5, HTTP, Tor). (C#)

PostgreSQL, and Boost libraries. (C++, PqSql, Sonda SDK,

Developed an encryption protocol for the fingerprint

Developed an Advanced Messaging Delivery System

Created a client for fingerprint scanning, registration, and processing, compatible with various sensor software.

Engineered software to launch games on Windows 10 with a feature to block access when funds are depleted. (C++,

Implemented various Android notification features such as vibration, LED, flashlight, and notifications. (C#, Android

Ported AMDS to MonoDevelop for Linux Ubuntu. (C#)

(AMDS) for Windows and Linux, using WxWidgets and integrating a RestAPI. (RestAPI, C++, SQLite) Ported AMDS from C++ to C# for Android platforms. (Xamarin, C#) Developed a unified GUI render system for AMDS.

(C++)

SQLite, PaSal)

Notifications)

C++) Video

Developed on XMPP service/client for AMDS. (C#) Integrated AES256 encryption into all versions of AMDS. (C#, BouncyCastle) Added a barcode scanner feature to AMDS. (C#) Implemented a signature system verification, including fingerprint, code, and camera, for AMDS. (C#) push notifications and PushKit. (C#, iOS Notifications,

Created artificial intelligence for navigating cars and pedestrians in the simulation. (Bullet, C++) dynamics. (Bullet, Havok, Newton, C++) Video D3D11, C++) Video

roads in the car simulation. (HLSL, D3D11, C++) Video Developed an intersection navigation system for car Al. (Bullet, C++) Created a level editor for the simulation. (D3D11, C++) Developed a system for controlling passenger entry and exit in buses and trams. (C++) Video Wrote interfaces to support another physics engine, Newton. (C++) Developed an 'instructor remote system' to generate hazardous road situations on demand. (C++)

Created a dirty window cleaning effect for simulating rain

Developed an application for adjusting car parameters.

Created the simulation's main menu and integrated a results storage system with MySQL. (C++ Builder, MySQL) Implemented weather effects like snow and low-friction

monitor duplication. (C++) Video Developed a Windows blocking system by terminating processes like Explorer and Task Manager. Integrated SQLite into various projects. Conducted research to identify PC components that reduce costs by up to 14%. Integrated encryption and compression libraries AES

databases. (C++, SQL, Qt) Created an MSSQL (CSV) to Oracle (CSV) converter, facilitating data transfer and conversion between different database systems. (C++, SQL) Transformed the converters into a standalone service application, enhancing usability and accessibility. (C++, Qt) Adapted the service application for compatibility with

Developed an XML to MSSQL converter, efficiently

translating XML data into a CSV format suitable for MSSQL

service, streamlining its deployment and operation. (C++, Developed a user remote desktop viewer, similar to TeamViewer and TightVNC, optimized for fast video streaming. (C++, GDI) Wrote administrator interfaces for the desktop viewer, incorporating advanced features and controls. (C++,

and rendering on the screen, specifically for C++ Builder 6. Developed a module to facilitate communication with COM ports using the ModBus protocol for C++ Builder 6. Wrote a dynamic system capable of solving equations input at runtime, akin to script languages. This system allows users to input equations (e.g., y=x^2), generates

simple bytecode, executes it over 2000 iterations, and then

outputs the results to a database or on screen. (C++ Developed a clone function for XMLtree specifically for StatViz/TemplateEditor, enhancing data manipulation and entered data, enhancing user experience and data

database, and displays it on the screen. (C#, XML, MSSQL, Ogre) Implemented a feature to parse words into a cylindrical form for dynamic display on screen. (C++, C#) Developed a 2D game, showcasing engaging gameplay and physics interactions. Video (HGE, Box2D, C++) Created a level editor for a 3D engine, enabling the design

and customization of game environments. Video (Direct3D,

Developed software for soft interpolation between two

implementations, optimizing rendering performance by not drawing hidden objects. Video (Direct Compute, HLSL, C++)

WEBCAMERAPRO

Jan 2018 - Jan 2020

Video Data Filtration System: Created a system for capturing video from various sources, segmenting them

technology. (C#, C++, ONVIF)

interchange between C++ and C#. API Development for C++/C Projects: Created an API to Telegrab bot. (TDLib, C++) Lua Script Engine Integration: Incorporated a Lua scripted engine into the application for enhanced functionality. (Lua, LuaJIT, C++) Qt Framework Assistance: Assisted in integrating the Qt editing, sorting, and joining XML files. (C++, XML) CorelDraw OLE Converter Development: Developed a converter for WMF to BMP using CorelDraw API. (CorelDraw API, C#) Image Format Converter with GUI: Developed an image format converter manager with a graphical user interface. (C++, ImGui) Live555 Restreamer Setup: Integrated and set up Live555 restreamer. (Live555, FFmpeg, C++) NoSQL Database Integration: Integrated a NoSQL database into the system. (C++, EJDB) Enhancements to EJDB: Added features to EJDB, such as row counting and timestamps, and improved search functionalities. (C++, EJDB) Hardware Accelerated Image Processing: Added hardware-accelerated image processing using OpenCL and refined existing code. (C++, OpenCV) OpenCV CPU YOLO Integration: Integrated OpenCV CPU version of YOLO. (C++, OpenCV) Multi-OS Code Porting: Ported code to multiple operating systems including Linux, macOS, and Windows. WebRTC Porting: Ported WebRTC with native WebRTC Lead developer[Biometrics/Mobile] Developed a scalable TCP server with workers for biometric fingerprint recognition using SondaSDK,

NPP-TRAINER

FREELANCE

Jan 2010 - Jan 2013

Jan 2013 - Jan 2016

DOTRUNETGROUP

Jan 2016 - Jan 2018

Adapted AMDS for MacOS Sierra, incorporating monoMac and notifications. (C#, MonoMac, Notifications) Ported AMDS to iOS10, integrating iOS services and hooks. (C#, iOS Services, iOS Hooks)

(SkiaSharp, C#, Android Hooks)

scanning system. (C++, CryptoLib)

Added various iOS notification features and integrated iOS Developed a TCP server client for a small Android game. (Android Studio, Boost, C++) Adapted path-finding algorithms for a small Android game. (C++) Lead developer[3D/Decision making] Freelance/Remote woDeveloped car simulation software with advanced 3D rendering capabilities. (D3D11, C++) Video Adapted VR Oculus Rift DK2 for use in car simulation software. (VRSDK, C++) Video Wrapped various physics engines for enhanced simulation Implemented fast 3D grass rendering technology. (HLSL, Optimized engine performance for low-end GPUs and added support for triple-monitor rendering. (C++) Developed a detailed mountain road environment, including effects and 3D modeling. (3ds Max, D3D11, HLSL,

Implemented a license protection system with activation and authentication features. (UDP, C++) Wrote a wrapper for OpenAL/cAudio to support 3D sound effects and positional audio. Video Created an application for VR presentation control, including remote use, HTML reports, video playback, and

(CryptoLib) and LZHAM into the engine.rk

Software developer

on windshields. (HLSL, D3D11, C++) Video

(C++, Ogre, AntTweakBar) Video

Oracle databases, ensuring smooth integration and functionality. (C++, Oracle) Implemented a UDP server to receive syslog messages

from a remote device (SSPT-2), converting them into XML

format for application processing. (C++, Socket) Converted the UDP server into a standalone Windows

DirectX, Qt) Developed software to read data from hardware inputs, convert units, solve equations, and build tables, with the capability to export these tables into Microsoft Excel using OLE. (C++ Builder) Created a module designed to accelerate graph building

Builder) visualization capabilities. (C#, XML, Ogre, Direct3D) Improved the GUI of an application to display the last

interaction. (C#, Ogre) Created a weather decoder/parser system that downloads data from a server, parses it, inserts it into a

animations, providing smoother and more natural animation transitions. Video Implemented Occlusion Culling with both CPU and GPU

EXPERTISE HIGHLIGHTS

Concurrent Programming: STL, Boost, libCDS, .NET Networking: TCP/UDP, DNS, Web Services IPC Techniques: libUV, Sockets, File-based Crypto/Web3: Mining, Node Operations, Payments Financial: Trading Systems, Strategy, Data Analysis Resource Management: CPU, GPU, Memory Biometrics: Fingerprint, Facial Recognition Video Tech: Streaming, ONVIF, Live555, FFmpeg Al: Pathfinding, Decision Algorithms, Recognition Security: Encryption, Secure Channels, AV Tactics RESTful Services: Server and Client Development GPU Programming: CUDA, OpenCL Language Integration: Rust, Python, Lua Web Technologies: HTTP/S, HTML, JSON, XML, CSS GUI Development: QT, Wx, WinForms, ImGui, CEGUI

PhysX, C++)