Seymen Kalkan
Software Developer

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About

I'm an experienced software developer with a **strong background in C++**, **Linux** and it's distributed operating systems. I specialize in **Qt Core/GUI/Concurrent** and am passionate about creating user-friendly interfaces. Additionally, I excel in developing **optimized, high-performance** applications.

Work Experience

C++ Developer
May 2023 - May 2024
Full-time

MEDPOINTR
Developed a **Medical Imaging System** by creating a **GUI application using Qt** and implementing **3D visualization with VTK** to work on **NVIDIA Jetson embedded systems**. Additionally assisted handling simple computer vision scenarios using **OpenCV**.

Keys
- **Qt Core/GUI/Concurrent/Widgets**
- **VTK & CMake**
- **Git & GitHub Actions**
- **Bash Scripting & Linux**
- pybind11 and Python
- **L4T Multimedia API & V4L**

Projects

XQProgressBar

This project is dedicated to creating a circular progress bar using **Qt Paint** functionality. The main focus is on illustrating the essential workings of the **QPaint class** in the context of a circular progress bar. The **XQProgressBar** project visually demonstrates how to use **QPaint** to draw and update the **circular progress bar**, providing insights into the fundamental aspects of rendering and updating graphical elements in a **Qt application**.

qt-nbc

It includes Number classes(**Binary, Octal, Decimal and Hexadecimal**) and they can convert each other, also includes arithmetic, relational and assignment operators between each other. And it includes additionally a **GUI** for converting them and a simple calculator with different **number bases.**

Medical Imaging System(MEDPOINTR)

Working with **VTK** and **Qt** aspects, implementing processes on **DICOM** patient datas to operate on **Embedded Systems**.

rope-discord-v3

It's a basic **Discord Backend** bot written with **NodeJS**. It has simple registration system, temporary voice channel system and more for Public Servers.

qt-taxing

It's a basic **Qt Application** for demonstrates the how **QJson** work. It's a simple application for calculating tax/inquiring

qt-notepad

It's a basic notepad **GUI** application written with **C++ Qt**

IB Fullstack Web app

This is a website project that introduces IB schools and their IB private tutoring services. The platform aims to collect applications, providing a seamless experience for teachers, students, and administrators. In the background, the website features functions for teachers, students, and administrators to facilitate smooth operations. Wrote with **ReactJS** and **PHP**.

methods-smart

It's a basic **C++ OOP** Application for demonstrates the **OOP Concepts** and precising best choice with calculating alternative's attributes.

gaiacraft-discord-bot

It's a basic **Discord Backend** bot written with **NodeJS**. It has simple commands, ticket system, registration system and event handlers for a Minecraft server.

NASM Calculator

It's a basic terminal calculator but with **NASM**! The numbers cannot input as decimal points so we have to input them as a string then convert it to decimal number with **algorithms**.

actions-semver

It's a **Github Actions** script written in **Javascript**. It will create **Tags** and **Releases** according to **Commits**.

Skills

- C++ 11/14/17 & CMake
- Qt Core/GUI/Concurrent
- Git & GitHub
- GNU/Linux & Bash Scripting
- Fast learner
- Algorithmic Thinking

References

Gökşin Akdeniz
Lecturer at Eskisehir Technical University

Kaan Aykut Kabakçı
Lead Engineer at Aselsan
+90 553 215 31 47

Ethem Bilgehan Çiçek
Software Engineer at BITES & Founder of MEDPOINTR
+90 554 248 50 07

Education

Computer Programming
Eskişehir Technical University 2021-2023
3.89 / 4.00 GPA

Graduated with the top student of degree. Learned about Network Systems, Operating Systems, Data Structures and Algorithms, Microcomputer Systems and Netwide Assembler

Languages

- English
- Turkish Native