Sajjad Karbasi
C++ && Qt Developer

🌐 sajjadkarbasi.ir
@ sajjadkarbasi@gmail.com
📞 +989376693558

About Me

Hi! I'm a C++ && Qt Developer, At the moment I work @ MojPardazan Co. a private contractor for embedded systems && software development. I'm a Linux enthusiast (particularly Arch), a Doc-worm who is addicted to try novel technologies. Furthermore, I'm a self-learner, a rationalist freethinker but your humorous teammate at the same time.

- Education: B.Sc. Electrical Engineering
- Birth Date: 28 Dec 1997
- Marriage status: Single

Skills

In summary, I have experience working with these tools and often use them:

- Modern C++ (14, 17, 20)
- Embedded systems
- Arch Linux
- Protocol design
- Qt widget/qml
- OOP, Design pattern, TDD

Experiences

C++ Developer
MojPardazan

Aug 2020 - present
Tehran, Iran
Full-time

C++, Qt, QML, Multi threading, Linux, Socket programming, Lua language, Python, git, SQL, zynq, CMake, TDD, dynamic programming,

MojPardazan is a private contractor for developing embedded devices like ADSB systems and pattern analyzer embedded devices. My main job is to develop desktop software and maintain Linux systems and code base

Responsibilities:
- Develop software for protocol management
- Application for zynq (ARM part)
- Qt application with Widget and QML
- Embedded Linux system programming in both C++ and Python

Contributions:
- Write protocols and GUIs for systems.
- GUI based application with Map (Marble) and network connections

Achievements:
- use multiple design patterns
- work with model-view in Qt
- decrease the overall cost of testing devices and checking incompatibilities with other apps by 25% at least

C++ Developer
Padakam

June 2019 - Aug 2020
Tehran, Iran
part-time

C++, Qt, Socket, Linux, signal processing, Bash script,

Padakam was a company for developing systems for town safety, My main job is to develop desktop software.

Responsibilities:
- Writing a desktop application for data aggregation
- managing Linux systems and Embedded devices

Contributions:
- writing a data Aggregation app which embedded octave (Matlab alternative for Linux) and lua to manage protocols and modify them to send to another device
- Develop an antenna pattern analyzer with an embedded board to be portable

Achievements:
- Signal processing in C++ application
- Work with large project with multiple developers

C++ Developer
Rizmoj

July 2017 - June 2019
Tehran, Iran
part-time

C++, Qt, Linux, OpenCV, Python, flask,

Signal processing, data transceiver and desktop application development. Develop serial port application OpenCV to work with cameras WebServer for embedded application

Responsibilities:
- Managing Linux systems and embedded devices

Contributions:
- Write a flask application and config its server for ADSB data
- OpenCV app for detecting the effect of heat on the alloy to determine its elements and its features

Achievements:
- Write a website back end and server configuration
- Understanding the working atmosphere