


Sajjad Karbasi

C++ & Qt Developer

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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. I'm a self-learner, a rationalist freethinker but your humorous teammate at the same time.

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

Skills

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

- C++
- Embedded
- Qt
- Linux
- OpenCV
- Signal processing

Experiences

C++ Developer

MojPardazan

C++, Qt, Linux, zynq,

Aug 2020 - present
Tehran, Iran
Full-time

MojPardazan is a private contractor for developing embedded devices like ADSB systems and pattern analyzer and so on. Our main job is to develop desktop software.

Responsibilities:

- Develop software for gathering data and managing
- Developing application for zynq (arm part)
- Qt application for devices and management protocols to communicate with them

Contributions:

- My first duty was to write an application for data aggregation. this app aimed to decrease the amount of cost that each company should pay to test its devices with other systems. the main purpose was to define a system to be compatible with all types of protocols and a graphic interface to shape packets and define input and output (like serial port or socket). with this, any company can test its devices and combine data without a single line of code.
- Another job in the company was to write protocols and GUIs for systems. both qml and Qtwidget
- Recent project was to write a program for zynq board with C language

Achievements:

- use multiple design patterns
- work with model-view in Qt
- decrease the overall cost of testing devices and checking compatibilities with other apps
- decrease the size of devices by migrating from embedded Linux to zynq board

C++ Developer

June 2019 - Aug 2020

Padakam

Tehran, Iran

part-time

C++, Qt, Linux, signal processing, Lua,

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 used octave (Matlab alternative for Linux) to manage protocols and modify them to send for 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

July 2017 - June 2019

Rizmoj

Tehran, Iran

part-time

C++, Qt, Linux, OpenCV, python, flask,

Rizmoj is a company with multiple tasks including signal processing, data transceive and desktop application development. My main job was to develop serial port application OpenCV to work with cameras Write webServer for embedded application Maintain and optimize Linux systems

Responsibilities:

- Writing a desktop application for data aggregation
- Managing Linux systems and embedded devices

Contributions:

- Write a flask application and config its server for ADSB data
- Write multiple simple GUI apps for serial port communication
- 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
- My first job so I took lots of responsibilities to know more about what field I want to follow