**1. Personal data**

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| **Name:** Ogar Maksim  **Citizenship:** Russian Federation  **Address:** Moscow  **Date of Birth:** 1984.12.10  **E-mail:** mogar@inbox.ru  **Phone:** +7 (916) 127-59-57 | X:\03-ФОТО & ВИДЕО\моё фото.jpg |

**2. Position**

Middle C++ developer/ Qt-developer

**3. Wage**

200 000 RUR

**4. Skills**

**4.1 C/C++:**

Standards: C++17 (optionally C++20, C++23)

Libraries: STL, BOOST, Qt

IDE: QTCreator

Linkers: Cmake, Qmake

GUI-development: QtWidgets (using QTDesigner, or without it)

Currently using:

Windows - QTCreator /CMake /MinGW

Linux (Ubuntu, AstraLinux) - QTCreator /CMake /GCC

Android - QTCreator /CMake /Clang

Skills:

object-oriented programming, standard containers and algorithms, I/O streams, multithreading, smart-pointers and RAII, forward reference, lambda-expressions.

Additional QT-library skills:

- QVariant, QEvent, QIODevice (QFile, QDir, QBuffer, QTextStream, QDataStream), QDateTime, QTimer, QProcess, QThread, QTcpSocket, QUdpSocket, QTcpServer, QtSQL-module, view-model technology

**4.2 Network development**

Development client/server-applications using TCP/IP and fast UDP

**4.3 Database development:**

MySQL, PostgreSQL

**4.4 Version control system:**

GIT, Perforce

**4.5 3D graphics (OpenGL + GLUT/FreeGLUT):**

Geometric Primitives and Buffers, Color, Materials, and Lighting, Texture Mapping, Curves and Surfaces, Pipeline (Faster Geometry Throughput), Interactive Graphics, Occlusion Queries, Depth Textures and Shadows, vertex and fragment shaders

**4.6 Other skills:**

- assembly language (TurboAssembler 5.0, TurboDebugger 5.0, W32Dasm);

- Python3 (PyCharm, QTDesigner)

**5. Experience**

**5.1** 2005 – 2020: State enterprise "Almaz" as an engineer/team lead.

Job descriptions:

- leadership of the scientific group on software modeling (in C++);

- leadership of the scientific group on the hardware for the operation of laser installations;

- MySQL application development

**5.2** 2020.04. - 2021.04: Freelance

Major projects:

- application for calculating a loan for Android;

- MySQL client application;

- file splitter/merger;

- a music player with a connected media library;

- TCP/IP client/server;

- application "Heart" on OpenGL

**5.3** 2021.04 -2021.10: State enterprise "Almaz-Antey" as an engineer-programmer

Job descriptions:

- development of a frontend application for working with the server;

- development of High Level Architecture applications;

- development of a client GUI application (using QtDesigner);

- PostgreeSQL application development

**5.4** 2021.11. - 2022.03: Freelance

**5.5** 2022.04 -2022.05: FSUE "NPP "Gamma", programmer at the center for advanced research and development

Job descriptions:

- optimization of existing C++ code (implementation of asynchronous execution of resource-intensive functions);

- transfer of existing projects from qmake-implementation to cmake.

**6. Education**

2007: Moscow University of Radio Engineering, Electronics and Automatics Faculty of Electronics, specialty "Optical devices and systems"

**7. Additional information**

- mathematical mindset (mathematics and physics);

- enjoy creative work;

- willingness to learn new programming languages;

- conscientious attitude to the fulfillment of assigned tasks;

- basic knowledge of English and French