ALEKSANDR TUCHKOV,
INDEPENDENT CONSULTANT,
SOFTWARE&HARDWARE ENGINEER

+7(926)303-37-26, mail@tuchkov.org
http://tuchkov.org

Professional Profile

- During last 8 years I've been solving problems in software&hardware development. Most often I create solutions for my clients as an independent consultant and engineer. I help to create automation systems, monitoring systems, desktop, mobile and client-server applications, server software, microcontroller-based hardware, embedded systems, robots, drones.

Education

- I graduated with honours from Institute of Cryptography, Telecommunications and Informatics in Moscow. I have an Engineer's degree in Radioelectronic Systems.
- Studied physics and mathematics as a base for all electronic systems. Then studied digital electronics and programming languages as a base for modern electronic systems.

Professional Experience

- 2008 – 2013. Federal Security Service. I worked on measurement and automation systems. During this period, I created the idea of automation of several industrial measurement processes, developed the architecture and implemented the prototype of the automation system, which delivered a large speed-up of working process. Qt/C++ and several NI and R&S instruments were used.
- 2013 – present. Self-employed proprietor.
    - ✦ Most of time I work with clients on upwork.com. There are a lot of finished projects there, and they are visible at my public page: https://www.upwork.com/freelancers/~01246720bb1fb3b547 . The entire list of my skills is constantly used there, because all projects are very different.
    - ✦ Also I am working with PLK LLC (http://ply.ru/en/), where I am creating a custom monitoring and accounting system for manufacturing processes.

Technical Skills

- C/C++, Qt/Qml, Javascript
- Python, Tornado, Django
- OpenCV
- OpenCL
- OpenGL, GLSL
- Golang
- SQL, Postgresql
- Electronics and PCB design

Linguistic Skills

Russian (native), English (intermediate)

Certificates

- Machine Learning by Stanford University on Coursera. Certificate earned on April 2, 2016 https://www.coursera.org/account/accomplishments/records/Y9D9LYB3E52C