ALEKSANDR TUCHKOV,
INDEPENDENT CONSULTANT,
SOFTWARE&HARDWARE ENGINEER

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Professional Profile

- During last 10 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, drones && robots.

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

- 2011 – 2013. Federal Security Service. I've worked on measurement and automation systems. During this period, I've 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. Sole 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 here, 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

- Use the Certificates section to detail any relevant professional certificates.