ALEKSANDR TUCHKOV,
INDEPENDENT CONSULTANT,
SOFTWARE&HARDWARE ENGINEER

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