

# Anton Fedorov

SOFTWARE DEVELOPER &  
SYSTEM ADMINISTRATOR



## + CONTACT

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Nationality Russian

Date of birth June 24, 1983 (32 years old)

## + EXPERIENCES

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Kvarta ltd and Katalizator Company Develop firmware for embedded devices, based on 8051 processor, used in chemical laboratories. Wrote software (SCADA-like) for controlling chemical processes with our hardware.  
Done in pascal+win32; python+pygtk; assembler-x51.

Direktbill & Expert-call & Albatrosscom Rewrote completely telephony system, using asterisk as SIP/ISDN gateway and media server, and whole logic implemented in Erlang.  
System administration of lot of servers, using lightweight virtualization based on linux-vserver; clustering with drbd + pacemaker + corosync.

Livepress.com Developing plugin for MovableType (perl) and Wordpress (php); working on public API server (rails); fixes & support for backend (erlang) and comet transport (js).

Freelancer & personal research Reverse engineering (8080, 8051, 80x86, ARM) for extension and some fix of software bugs, that impossible to fix another way due to lost or closed source. That also include adding of API for software initially without API.  
  
Applied cryptography, including implementation of RSA in assembler, usage of HSM and openssl for electronic exchange with government in public software service.

Google Working on Dremel and BigQuery as SRE: mix of programmer and sysadmin. Support of products, infrastructure, monitoring, outage elimination, bugs fixes.

## + EDUCATION

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2000 - 2006 **APPLIED MATHEMATICS AND INFORMATICS, ENGINEER DEGREE**  
[Novosibirsk State Technical University](#)

## + LANGUAGES

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Native language **Assembler, Russian**

Foreign languages **English**  
**Deutsch** (basic)

Preferred communication **Strictly prefer to use written communication**  
Usage of written communication (e-mail or IM) allow to have precise log, with stable search and ability to precise quotation and back

## + IT PROFESSIONAL SKILLS

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Active operating systems **Debian Linux Jessie, Windows 7, Windows 8.1, Android 2.3, Android 4.2**

Administration OS **Linux (debian, centos, suse), Windows (XP, 2003, 7)**

Programming languages **Assembler, Bash, C, C++, Erlang, Javascript, Pascal, Perl, PHP, Python, Ruby (+Rails), and more (in passive state).**

Databases **MariaDB, Mnesia, MySQL, PostgreSQL, Redis**

## + PROFESSIONAL HIGHLIGHTS

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I'm prefer full-stack work, or core/backend part of huge projects. One of most effective my skill is boundary problems: cross-technology, cross-language, backend<=>frontend, reverse engineering, embedded, etc.

Have ability to work with almost any programming language, but as result i'm not deep specialist in any of it. Can use any programming paradygm (procedural, functional, objective, even-driven etc).

As system administrator i'm know linux (including iproute2, bridges, iptables, nftables); like linux-vserver virtualization (and waiting until lxc become stable and production-ready), but also used lxc/docker/virtuozzo. Used xen, virtualbox. In far past -- vmware. Last time was faced with windows server administration -- it was with Windows-2003, so that skill outdated a bit.

Right now i'm freelancer, with around 20hrs/week load: several long-term projects, that still require some management and a bit of development.