1 About me

Mikhail Zabelin
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2 Skills

- english language: technical texts - good; speaking - intermediate

- russian language: native

- C and C++ (mostly C-like C++)

- databases and SQL

- Python

- Linux/Unix (mostly Debian)

- version control systems (mostly Git)

- creating of fast code for slow computers

- some experience with debuggers from Turbo Pascal to GDB

- can understand almost any mathematics

3 Work Experience

2017 programmer ПБ ТЕХНОЛОДЖИ	Development of web application for online banking. Tools: PHP and RabbitMQ.
2014 - 2015 programmer СвязьТелекомПроект http://stp-spb.com/	Porting of F2FS file system to user space. Tools: C and FUSE.
2014 programmer ALTINNTECH http://altinntech.com/	Development of game client-server applications such as slot machines, roulette, Black Jack, Poker Casino Holdem, Video Poker. Tools: C++.
2013 programmer MobiVita http://vu.spb.ru/	Porting of FreeBSD network stack to user space in Linux. Tools: C and DPDK.
2012 programmer OFT Media	Software development for transmission of streaming video. Fixing of segfaults that lasted several years. Uptime increased from hours to weeks. Creating of multicast MPEG-TS analyser (checking of packet loss/delay/fragmentation). Tools: C++.
2011 programmer InfoSreda http://infosreda.com/	Creating of RSS-aggregator for TV channels. In: TV channels RSS from many sources (with duplicate removal and adaptive update interval). Out: RSS with filters like channel list. Development of ERP for real estate agency. Tools: Python and OpenERP.

2010 programmer GGA Software Services `http://ggasoftware.com/`	Porting of chemical search engine from Oracle to PostgreSQL. Tools: C++.
2007 − 2009 programmer Vista `http://samson-rus.com/`	One of two creators of information system for polyclinics. Tools: Python, PyQt and MySQL.
2006 programmer PROTEI `http://www.protei.com/`	Software development for mobile operators (billing, SMS and USSD). Tools: C++.
2001 − 2006 Ioffe Institute `http://www.ioffe.ru/`	Computer simulation of laser diodes and monodisperse metal nanostructures. Tools: C and C++.

4 Education

1995 − 2001 magister of physics	Saint Petersburg State Polytechnical University, Faculty of Physical Science and Technology `http://english.spbstu.ru/`

5 My open source software

`https://github.com/travmaturg/travmaturg.github.io/tree/master/soft`

name	description	tools
badblocks-wb	program for disk maintenance/check (badblocks fork with new write-back mode)	C
gamedagsearch	search engine for two-player zero-sum games	C and simplelp
multiblend	panorama photo stitcher	C++
simplelp	literate programming tool (by the way, it was used for generating this CV)	Scheme
smoothresize	library and program for artifact-proof image scaling	C and simplelp
unraw	decoder for RAW photos	C