

# 1 About me

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## 2 Skills

- english language: technical texts - good; speaking - intermediate
- russian language: native
- C, C++, Python and Haskell
- databases and SQL
- 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

2018 programmer Enecuum <a href="https://enecuum.com/">https://enecuum.com/</a>	Software development for cryptocurrency. Tools: C++, simplelp and Haskell.
2017 programmer ПБ ТЕХНОЛОДЖИ	Development of web application for online banking. Tools: PHP and RabbitMQ.
2014 - 2015 programmer СвязьТелекомПроект <a href="http://stp-spb.com/">http://stp-spb.com/</a>	Porting of F2FS file system to user space. Tools: C and FUSE.
2014 programmer ALTINTECH <a href="http://altinntech.com/">http://altinntech.com/</a>	Development of game client-server applications such as slot machines, roulette, Black Jack, Poker Casino Holdem, Video Poker. Tools: C++.
2013 programmer MobiVita	Porting of FreeBSD network stack to user space in Linux. Tools: C and DPDK.
2012 programmer OFT Media	1. Software development for transmission of streaming video. 2. Fixing of segfaults that lasted several years. Uptime increased from hours to weeks. 3. Creating of multicast MPEG-TS analyser (checking of packet loss/delay/fragmentation). Tools: C++.
2011 programmer InfoSreda	1. 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. 2. Development of ERP for real estate agency. Tools: Python and OpenERP.

2010 programmer GGA Software Services <a href="http://ggasoftware.com/">http://ggasoftware.com/</a>	Porting of chemical search engine from Oracle to PostgreSQL. Tools: C++.
2007 – 2009 programmer Vista <a href="https://samson-rus.com/">https://samson-rus.com/</a>	One of two creators of information system for polyclinics. Tools: Python, PyQt and MySQL.
2006 programmer PROTEI <a href="http://www.protei.com/">http://www.protei.com/</a>	Software development for mobile operators (billing, SMS and USSD). Tools: C++.
2001 – 2006 Ioffe Institute <a href="http://www.ioffe.ru/">http://www.ioffe.ru/</a>	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 <a href="http://english.spbstu.ru/">http://english.spbstu.ru/</a>
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## 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