Mikhail Zabelin

e-mail: mikhail.zabelin@gmail.com phone: +7 (921) 789-45-68 birthday: May 11 1978

Skills

- $\bullet\,$ main programming languages: C and C++
- other programming languages: Rust, Python, Haskell, Scheme and OCaml
- $\bullet\,$ databases and SQL
- Linux/Unix (mostly Debian and Ubuntu)
- version control systems (mostly Git)
- code optimisation for slow computers
- good knowledge of mathematics
- $\bullet\,$ english language: technical texts good; speaking intermediate
- russian language: native

Work Experience

Laboratory 50benchmark from C++ to Rust.https://lab50.net/2. Adding support of USB-tokens to document viewer Okular GOST.2018: software developer Enecuum https://enecuum.com/Software development for cryptocurrency: mining, network protocols and code porting from Haskell to C++.2017: software developer IDE TEXHOJOJXKIDevelopment of web application for online banking with RabbitMQ.2014: software developer CBязьТелекомПроектPorting of F2FS file system to FUSE.2013: software developer ALTINNTECH https://altinntech.com/Development of game client-server applications such as slot machines, roulette etc.2013: software developer OFT MediaPorting of FreeBSD network stack to DPDK. Software developer0FT Media1. Software developer Video.2. Fixing of segfaults that lasted several years. Uptime increased from hours to weeks. 3. Creating of multicast MPEG-TS analyser (checking	0000 0000 ft 1 1			
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		3. Creating of multicast MPEG-TS analyser (checking		
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2011: software developer 1. Creating of RSS-aggregator for TV channels with	2011: software developer	1. Creating of RSS-aggregator for TV channels with		
InfoSreda duplicate removal and adaptive update interval.	InfoSreda	duplicate removal and adaptive update interval.		
2. Development of ERP for real estate agency.		2. Development of ERP for real estate agency.		

2010: software developer	Porting of chemical search engine from Oracle to	
GGA Software Services	PostgreSQL.	
2007–2009: software developer	One of two creators of information system for	
Vista	polyclinics.	
https://samson-rus.com/		
2006: software developer	Software development for mobile operators (billing,	
PROTEI	SMS and USSD).	
https://www.protei.me/		
2001-2006	Computer simulation of laser diodes and monodisperse	
Ioffe Institute	metal nanostructures.	
https://www.ioffe.ru/		

Education

1995-2001	Peter the Great St.Petersburg Polytechnic University, Faculty of	
magister of physics	Physical Science and Technology	
	https://english.spbstu.ru/	
1993–1995	Academic lyceum "Physical-Technical High School"named after	
	Zh. I. Alfyorov	
	http://www.school.ioffe.ru/	

Open source software

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

name	description	tools
badblocks-wb	program for HDD maintenance/check (badblocks	С
	fork with new write-back mode)	
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 is used for	Scheme
	generating this CV)	
smoothresize	library and program for artifact-proof image scaling	C and simplelp
unraw	decoder for RAW photos	Ċ