

Marek Behún

Curriculum Vitae

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Education

- 2017– **student**, *Charles University*, Prague, Faculty of Mathematics and Physics.
Theoretical Computer Science
- 2012–2017 **student**, *Charles University*, Prague, Faculty of Mathematics and Physics.
Bachelor of Science in Computer Science, defended thesis on topic *Post-quantum alternative to secure sockets*
- 2002–2010 **student**, *Gymnasium*, Ludovíta Štúra 26, Michalovce.
high school education with the Maturita certificate

Computer Skills

advanced in UNIX-like operating systems and the POSIX standard
user of GNU/Linux (Gentoo Linux) operating system

Programming, scripting, web, databases

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|-------------|--|-----------|----------------------------|
| programming | C, C++, Python, <small>Assembler x86</small> | scripting | PHP, Bash, JavaScript |
| web | PHP, HTML, CSS, JavaScript | databases | PostgreSQL+PL/pgSQL, MySQL |
| markup | LaTeX, MediaWiki, HTML | | |

Skills

proposing database structures, procedures and complex queries in SQL

Linux system installation and configuration

able to code in Linux kernel space

LAN/WAN configuration, network devices configuration

OpenWRT/LEDE compilation, debugging and maintainence

compilation and cross-compilation under GNU toolchain

video manipulation and transcoding with FFmpeg

package managers: portage (Gentoo Linux), pkgtools (Slackware Linux)

- 2015–2016 **extern consultant and software engineer**, *nextap solutions, s.r.o.*, www.nextap.eu.

embedded devices (Odroid, Raspberry Pi) software engineer

- 2011–2013 **extern consultant and software engineer**, *SAGE team*, www.sageteam.eu.

library **pqc** - Post-quantum cryptographic library, <http://github.com/elkablo/pqc>: C++
open source, bachelor thesis

program **frp** - FTP Reverse Proxy, <http://behun.webconsult.sk/projects/frp>: C open source

Language Skills

Slovak **native**
Czech **active**
English **advanced**
German **passive**

listening, reading and writing: B2, speaking: B1
listening: B1, reading: A2, writing: A1, speaking: A2

Other Skills

Driving Licence **A, B**

Scientific Competitions

March 2009 attendance on Slovak Mathematical Olympiade category A
January 2008 successful solver of regional round of Slovak Mathematical Olympiade category B

Interests

Natural sciences Mathematics (analysis, logic, set theory), Physics (electromagnetism, relativity)
Computer science Programming, operating systems, computer algebra, physical simulations, ...
Reading source codes (Linux kernel, open source), manuals (Linux man pages, the POSIX standard)

Publications

Post-quantum alternative to secure sockets, bachelor thesis, January 2017,
http://blackhole.sk/~kabel/doc/bachelor_thesis.pdf

Publications (in Slovak)

(Not)forgotten skills: qemu + binfmt_misc + chroot, May 2011,
<http://behun.webconsult.sk/articles/schop.html>
C on GNU/Linux - 2nd part, Aug 2008,
<http://behun.webconsult.sk/articles/c2.html>
C on GNU/Linux, Jul 2008,
<http://behun.webconsult.sk/articles/c1.html>
Floating point representation, Nov 2007,
<http://behun.webconsult.sk/articles/rep.html>