

Adam Mizerski

Curriculum Vitæ

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Education

- 2013–2020 **Master's degree in Information Technology**, *Warsaw University of Technology, Faculty of Electronics and Information Technology, Warsaw, Grade: Bardzo Dobry*¹
Extramural,
Thesis: *Security of electronic mail*
Content available at <https://tigermail.cloud>
Used tools and languages: C++, Boost ASIO, Ethereum <https://ethereum.org/>, Swarm <https://swarm.ethereum.org/>.
- 2009–2013 **Engineer's degree in Information Technology**, *Warsaw University of Technology, Faculty of Electronics and Information Technology, Warsaw, Grade: Bardzo Dobry*¹
Thesis: *Remote management of software and configuration in a local area network.*
Content available in Polish (with English summary):
<https://repo.pw.edu.pl/docstore/download/WUT307531/main.pdf>.
Used tools and languages: Puppet <https://puppet.com/>, Git, chocolatey <https://chocolatey.org/>, Ruby, Bash, PowerShell.
- 2005–2008 **Mathematical-physical class with authorial extended math program (commonly known as "Matex")**, *XIV Liceum ogólnokształcące² im. Stanisława Staszica, Warsaw*

Vocational experience

- I.2021– **DevOps**, *Golem Factory* <https://golem.network/>, Warsaw
- X.2023
- Automatization of servers deployment.
 - Supporting programmers in building testing environment.
 - Maintenance and development of Golem – distributed supercomputer with payments handled through blockchain.
 - Used tools and languages: Ansible, Bash, Python, Rust, Docker, Systemd, LVM, Munin, Grafana+Prometheus+Loki, Nginx, CertBot/LetsEncrypt, OpenStack, AWS, OpenPGP-CA.
 - Internal project (VIII.2021–I.2022): Custom system for RaspberryPi. Used tools: Yocto Project, kas (<https://kas.readthedocs.io>), swupdate, weston kiosk shell.

¹https://en.wikipedia.org/wiki/Grading_systems_by_country#Poland

²https://en.wikipedia.org/wiki/Liceum_og%C3%B3lnokszta%C5%82c%C4%85ce

- X.2017– **Software Engineer**, *Golem Factory* <https://golem.network/>, Warsaw
- XII.2020 ○ Maintenance and development of Golem – distributed supercomputer with payments handled through blockchain.
○ Used tools and languages: Python, Rust, Ethereum.
- VII.2016– **Software Engineer**, *CodiLime* <http://www.codilime.com/>, Warsaw
- IX.2017 ○ Maintenance and development of deployment system for OpenStack-based solution.
○ Used tools and languages: Bash, Python, Ansible, Vagrant, Docker, Jenkins.
- V–VI.2016 **C++ programmer**, *SkyTechnology sp. z o.o.* <http://skytechnology.pl/>, Warsaw
Development of distributed filesystem LizardFS <http://lizardfs.com/>.
- VII.2013– **(–2015 Junior) Software Engineer**, *Cubiware Sp. z o. o.* <http://www.cubiware.com/>, Warsaw
- IV.2016 Development of application for set-top-boxes.
Implementation language: mostly C.
Application's environment: linux on MIPS or SH4 devices, with 256 up to 512 MB RAM.
- 2013 **Commissioned works**, Warsaw
 - Creating a software for processing data from OpenSubtitles <http://opus.lingfil.uu.se/OpenSubtitles2012.php> corpus for fiskoteka.pl <http://fiskoteka.pl/>.
Used tools and languages: PostgreSQL (also plpgsql), C++11, libpqxx <http://pqxx.org/development/libpqxx/>, POCCO <http://pocoproject.org/>, Bash, CppCMS <http://cppcms.com> (as server JSON-RPC).
 - Implementation of Fortuna [https://en.wikipedia.org/wiki/Fortuna_\(PRNG\)](https://en.wikipedia.org/wiki/Fortuna_(PRNG)) algorithm and GUI.
Used tools and languages: C++11, Boost, Crypto++, autoconf, automake, libtool, qt4.
Algorithm implementation without GUI, with client's permission, is available at <https://github.com/etam/fortuna>.
- IX.2011 **Intern**, *Sonbou* <http://sonbou.pl/>, Warsaw
Development of fiskoteka.pl <http://fiskoteka.pl/>:
○ Implementing functional tests using Selenium WebDriver seleniumhq.org,
○ Automation of replication and backing-up MySQL database.
- III.2009–2011 **IT Administrator**, *MACTE!*, Warsaw
- 2008–2009 **Junior IT Administrator**, *SAS Institute*, Warsaw

Achievements

- XI.2011 Participation (I've passed internal qualifications) in Central European Regional Contest in the team of Warsaw University of Technology
- X.2011 Participation (I've passed internal qualifications) in Akademickie Mistrzostwa Polski w Programowaniu Zespołowym³ (national variant of ACM-ICPC) in the team of Warsaw University of Technology
- 2007, 2008 Participation in the second stage (of three) of Olympiad in Informatics⁴

Computer skills

- Administration of Linux systems (especially openSUSE, which I use daily).

³<http://amppz.mimuw.edu.pl/>

⁴<http://oi.edu.pl/>

- Fluent text console usage.
- Networking configuration, remote services management.
- Programming languages: Bash, C++ (including C++11 and newer), Python, Rust.
- Tools: Ansible, Autotools, CMake, Docker, Emacs, GDB, Git, GPG, GStreamer, L^AT_EX, libvirt, openSUSE Build Service (my account: etamPL <https://build.opensuse.org/user/show/etamPL>), PostgreSQL, RPM (creating packages), SSH, SystemD, Vagrant, VirtualBox.

Communication Skills

- V.2017 Warsaw C++ Users Group: Range-v3: New C++ standard library (slides <http://cpp.mimuw.edu.pl/files/range-v3.pdf>, sources https://github.com/etam/ranges_presentation)
- I.2017 Warsaw C++ Users Group: Template-parameter dependent name (slides <http://cpp.mimuw.edu.pl/files/template-parameter.pdf>)
- I.2015 Warsaw C++ Users Group: Curiously recurring template pattern (slides <http://cpp.mimuw.edu.pl/files/crtp.pdf>)

Languages

- Polish Mother tongue
- English Conversationally fluent, B2 certificate
- German Basic words and phrases only

Interests

- Free and Open Source Software,
- Decentralized and distributed software,
- Development and new features in Rust and C++,
- openSUSE Project (user: etamPL <https://build.opensuse.org/users/etamPL>),
- Drum kit playing,
- I was a member of 21st Warsaw Scout Troop „Stare Żbiki” <http://21wdw.staszic.waw.pl/>.