

CV

PERSONAL INFORMATION

Name Przemysław Pawełczyk offers@pawelczyk.it
 Address Warsaw (Wola district), Poland linkedin.com/in/przemoc
 Nationality / birthyear / marital status Polish / 1986 / single



EDUCATION

2005-10 – 2011-10 (6 years) Warsaw University of Technology,
Faculty of Electronics and Information Technology
 Course: **Computer Science**, Specialization: **Computer Information System Engineering**
 Awarded degree: **Master of Science in Engineering**, Polish degree title: **magister inżynier**
 Thesis title: **Linux kernel instrumentation in software engineering**

2002-09 – 2005-06 (3 years) Stanisław Staszic XIV Grammar School in Warsaw
 Profile: **mathematics, computer science**

WORK EXPERIENCE

2014-01 – (over 3 years) Transbit Sp. z o.o. – Software Designer / Developer [C++, C, sh]
 Working on projects providing solutions for the military.
 Designing, developing, debugging, maintaining C/C++ software for embedded systems (ARM, PowerPC) and x86-64.
 Co-maintaining Linux distribution, packaging software, porting/fixing software to run it on alien platform.
 Managing development environment (scripting cross-compilation, (re)writing makefiles, maintaining code repositories).
 Reviewing quality (cleanliness, respecting standards, common practices, good practices and maintainability aspects).

2012-02 – 2013-09 (over 1.5 years) ATM Software Sp. z o.o. (now: Atende Software Sp. z o.o.) – Software Engineer [C++, C, sh]
 Working on following project regarding smart grid:
Advanced Metering Infrastructure / ENERGA-OPERATOR SA
 Designing and developing C++ backend for data acquisition using dedicated protocols (like P3.2, STG) from metering infrastructure (mostly data concentrator units), triggered by acquisition queue provided via Oracle Coherence, and storing data in Oracle Database using Oracle C++ Call Interface (OCCI). Maintaining Lua script server written in C++.
 Related specifications:
 – DCSAP: *Data Concentrator Simple Acquisition Protocol* (co-author), ENERGA-OPERATOR SA, 2013

2010-01 – 2011-01 (over 1 year) Warsaw Univ. of Tech., Institute of Computer Science – Software Architect / Developer [C, C++, sh]
 Project for Samsung Electronics Poland R&D:
Adapting fault injection techniques to improve Samsung mobile products.
 Designing and developing: necessary Linux kernel in-tree modification, out-of-tree Linux kernel module for performing controlled fault injection, Qt application for managing/uploading test cases on target device. Writing documentation.
 Related publications:
 – *LRFI – Fault Injection Tool for Testing Mobile Software* (co-author) in: *Emerging Intelligent Technologies in Industry*, vol. 369, 2011, ISBN 978-3-642-22731-8, DOI:10.1007/978-3-642-22732-5_22
 – *Method and system for injecting simulated errors* (co-inventor), European Patent EP2565790 A1, 2013.03.06

2008-11 – 2009-05 (over 0.5 years) BlueSoft Sp. z o.o. – Administrator + Programmer [Java, sh]
 Administrating Ubuntu servers used for software development. Developing Junit-based test framework.

2007-07 – 2007-09 (3 months) Aenima (now: EL Passion Next Sp. z o.o.) – Web Developer [PHP, Ruby]
 Porting Ruby on Rails application to PHP on TRAX. Developing base for internet games platform.

2006-07 – 2006-09 (3 months) Danone Sp. z o.o. – IT Trainee
 Devel. tools for report. users' rights in NetWare. Automat. info. gleaning and OpManager conf. [C, sh, VBS+WMI, AHK]

LANGUAGES

West Germanic, Slavic upper-intermediate: English (B2), beginner: German, native: Polish

IT COMMAND

Programming lang. COMPILED: v. good: C, good: C++, basic: Asm (x86); INTERPRETED: good: POSIX sh, BASH, awk, sed, minim.: Lua
 Programming theory good: imperative p., procedural p., structured p., basic: object-oriented p., event-driven p., design patterns, concurrent computing
 Programming libraries C++: basic: Boost, Qt, STL; C: good: glibc, musl libc, minim.: SQLite
 Programming-aid tools IDE: good: Qt Creator, basic: Eclipse; DEBUG: basic: GDB, ASan, curl, Valgrind
 Version control systems good: Git, basic: Mercurial (hg), Subversion (svn)
 Databases DBMS: basic: PostgreSQL, MySQL/MariaDB, Oracle; STANDARDS: basic: SQL:1999
 Internet technologies PROTOCOLS: basic: IPv4, TCP, UDP, HTTP, RTP, SIP; STANDARDS: basic: AJAX, CSS, HTML, JSON(P)
 Servers basic: NGINX, FreeSWITCH, minim: Apache, GNU Gatekeeper (GnuGk)
 Designing good: software, basic: databases, websites, minim.: graphics, music
 Development methods basic: adaptive (agile, lightweight) – scrum
 Graphics & DTP good: Adobe Photoshop, LaTeX, basic: Affinity Photo, GIMP, Inkscape, minim.: Adobe Illustrator, Affinity Designer, Adobe InDesign, LilyPond
 Audio & Music basic: REAPER
 Virtualization basic: LXC, QEMU/KVM, VirtualBox, VMware Workstation, minim.: VMware Server, Docker
 Management PROJECTS: basic: Redmine, GitHub; REPOSITORIES: basic: SCM Manager
 Operating systems good: Linux (Alpine, Debian, Slackware, Ubuntu), basic: Windows (NT/2000/XP/2003, Vista/7)

NON-IT SKILLS

Social assertiveness, team spirit, openness, reliability
 Analytical / Technical analytical thinking, inventiveness, easy assimilation of new knowledge, scrupulousness
 Artistic playing music keyboard, feeling for aesthetic