

## Personal information

Surname(s) / First name(s)

**Rzechonek, Michał Grzegorz**

Email(s)

michal@rzechonek.net

Nationality(-ies)

Polish

Date of birth

15 styczeń 1983



## Experience

2010–current

CAMLIN TECHNOLOGIES POLAND LTD. Kraków

- Serving as a technical lead for two teams of 5–6 developers.
- Design and implementation of a data acquisition and analysis platform and a handheld device with a signal processor (DSP).
- Implementation of a IPv6 over IEEE 802.15.4 (Zigbee) tunneling solution.
- Implementation of various networking protocols: TFTP (with go-back-N ARQ extension), NTP, Syslog.
- Deployment and maintenance of a continuous integration solution (Buildbot, KVM, Open Grid Scheduler).
- Deployment and maintenance of a custom Linux distributions for embedded devices (OpenEmbedded, Buildroot).
- Deployment and integration of a distributed configuration management solution (Git).

C/C++, Python, Qt, Linux, VisualDSP++, Subversion, Git

2012

SOCIALBICYCLES Kraków

- Implementation of the headless, GPS-equipped bike tracker.

C/C++, Linux, ARM

2011-2013

PRZEDSIĘBIORSTWO PRODUKCYJNE „IRGA” Kraków

- Design and implementation of GUI-based database application supporting production process in a manufacturing company.

Python, Django, Javascript, PostgreSQL

2008–current

TEMPLATE UNIT TEST FRAMEWORK [github.com](http://github.com)

- Maintenance of template-based unit test framework <http://mrzechonek.github.io/tut-framework>

C++, Subversion, GNU Compiler Collection, Visual C++, Intel C++ Compiler, Borland Builder

2008–2010	<p>NOKIA SIEMENS NETWORKS Wrocław</p> <ul style="list-style-type: none"> <li>– Implementation of custom memory allocator based on TLSF algorithm.</li> <li>– Design and implementation of TIPC-based custom RPC library.</li> <li>– Design and implementation of distributed application collecting statistical data from a cluster.</li> <li>– Maintenance and development of management system for LTE base stations.</li> <li>– Implementation of component testing framework.</li> </ul> <p>C/C++, UML, ClearCase, Jira, CMake</p>
2006–2008	<p>DRQ S.A. Kraków</p> <ul style="list-style-type: none"> <li>– Maintenance of a complex SMS gateway.</li> <li>– Design and implementation of various application for handling business logic in cellular networks.</li> </ul> <p>C++, SQL, UML, Subversion, Jira, autotools, CORBA, Oracle, Unix</p>
2005–2006	<p>XYLAB MOBILE SP. Z O.O. Kraków</p> <ul style="list-style-type: none"> <li>– Implementation of a DHCP server and a GSM modem driver for ARM9 and AVR platforms.</li> <li>– Library for handling the WAP/MMS protocol stack.</li> <li>– Communication module for a GSM modem based on OpenAT standard.</li> <li>– Custom Linux distribution for a GSM/WiFi router.</li> </ul> <p>C/C++, Perl, Linux, Windows, Ethernet</p>
2004–2005	<p>CREACIONES VIRTUALES POLSKA Kraków</p> <ul style="list-style-type: none"> <li>– Implementation and deployment of WWW application for processing statistical data.</li> </ul> <p>PHP, PostgreSQL, LaTeX, Apache</p>
2002 June–September	<p>MUNICIPAL PUBLIC LIBRARY Kraków</p> <ul style="list-style-type: none"> <li>– Administration and maintenance of LAN in the building, library servers and Progress database.</li> </ul> <p>Linux, Ethernet, Windows NT 4.1</p>
2001–2006	<p>ANET5 Kraków</p> <ul style="list-style-type: none"> <li>– Organization and maintenance of LAN in the neighborhood, including server administration and technical support.</li> </ul> <p>Linux, Ethernet, TCP/IP</p>
<b>Education</b>	
2002–2005	<p>AGH UNIVERSITY OF SCIENCE AND TECHNOLOGY Kraków  Department of Electrotechnics, Automation, Computer Science and Electronics  master studies, faculty of Electrotechnics</p>
1998–2002	<p>PUBLIC HIGH SCHOOL #1 Kraków  linguistic profile (german)</p>

## Languages

Mother tongue(s)

*Self-assessment*  
*European level*

**Polish**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C2	Proficient user	C2	Proficient user
A2	Basic user	A2	Basic user	A1	Basic user	A1	Basic user	A1	Basic user

*Common European Framework of Reference (CEF) level*

**English**

**German**

## Technologies

Programming languages

C/C++ (including C++11 and metaprogramming)

Shell, Perl, Python, PHP, SQL, PL/pgSQL

Libraries

GNOME/GTK+, WinAPI, Boost, Qt

Operating Systems

Linux (Gentoo, Debian), Microsoft Windows

Networks

Ethernet, PPP, TCP/IP, Apache, Exim SMTP server, Samba and other services

DTP

LaTeX, AutoCAD

Webmastering

(X)HTML, CSS2, XML/XSLT, JavaScript/AJAX

Groupware

Subversion, Git, ClearCase, Trac, Bugzilla, Jira

Automatic building

Autotools, CMake, Waf, Buildbot

System-level programming

Sockets, threads, processes, shared memory, message queues, shared libraries, asynchronous programming

Documentation

UML, IDL, design patterns

## Additional Information

Motorola Diversity Award 2001.

Experience in team work, including managing groups of 5–6 people.

Experience in handling and creating technical documentation.

Familiarity with full cycle of software engineering process, from gathering requirements to testing.

Experience in systems design, familiarity with “best practices”.

## Interests

Mountain biking, jogging, swimming, martial arts.

## Legal

I hereby agree for processing my personal data, included in my application for a job, for the purposes of recruitment process, according to the Data Protection Act of 29 September 1997, unified text published in the Polish Journal of Laws (Dziennik Ustaw), no. 133, item 883.