

# Marek Langiewicz

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nationality	polish
birth date	29/11/1980

## Employment

- 01.2008 - 07.2008 Siemens sp. z o. o.
- 07.2008 - 11.2009 Siemens Home & Office Communication Devices  
later: Gigaset Communications
- 11.2009 - 12.2012 Softexor sp. z o. o.  
later: Softexor Engineering House sp. z o. o.
- 01.2013 - 07.2013 Espotel Poland sp. z o. o.  
as external employee from Softexor company
- 10.2014 - android related studying/programming

## Education

- 1995 - 2000 technical secondary school:  
Technikum Elektroniczne EZN in Wrocław  
speciality: computer systems
- 2000 - 2006 University of Wrocław, Institute of Computer Science  
<http://www.ii.uni.wroc.pl/>

## Programming languages knowledge

- very good C++, C, Java, JavaScript
- good Python, C#
- My full skill matrix is available at: <http://mareklangiewicz.pl>

## Foreign languages knowledge

- english very good
- german basic

## Professional experience

- 01.2008 - 01.2012

**project** Porta

**company** Siemens, Gigaset Communications, Softexor

### **description**

Developing and maintaining middleware and GUI for residential gateway (DSL modem, router, Ethernet switch, WLAN, FXS, FXO, VoIP). Software developed in C/C++ Linux and JavaScript/HTML.

### **my roles and responsibilities**

- Development of the middleware features in C++ (mostly VoIP related)
- Maintenance of device's GUI in HTML/JavaScript
- Creating automated GUI tests with Selenium tool (using Python frontend)

### **technologies used by me**

C++, C, ClearCase, GIT, HTML, CSS, JavaScript, DOM, Linux (development machine & target OS), VoIP (SIP, T38, RTP), BASH, Make, GCC, HTTP, IP, TCP, UDP, DHCP, DNS, UPnP, Wireshark, GDB, BugZilla, TRAC

- 04.2011 - 02.2012

**project** MMI

**company** Softexor

### **description**

Developing new GUI for the router device (platform based on the OpenWRT project)

### **my roles and responsibilities**

- Developing router GUI in JavaScript/HTML
- Developing a FastCGI application in Python language

### **technologies used by me**

JavaScript, HTML, CSS, jQuery, AJAX, Python, FastCGI, Lighttpd, Make, OpenWRT

● 02.2012 - 12.2012

**project** GVT  
**company** Softexor  
**description**

Development of another GUI for the platform used in the MMI project.

**my roles and responsibilities**

- Developing new JavaScript library for dynamic creation of WEB user interface

**technologies used by me**

JavaScript, HTML, CSS, jQuery, AJAX, Make, OpenWRT, Closure Compiler, JSDoc3

● 01.2013 - 07.2013

**project** AAS Merlin  
**company** Espotel  
**description**

Maintaining middleware for multi-radio active antenna system of BTS (Base Transceiver Station).

**my roles and responsibilities**

- Creating and maintaining unit tests for new and modified C++ code
- Maintaining continuous integration system
- Developing C# desktop GUI application for editing DAB files (internal file format used for flashing radio devices)

**technologies used by me**

C++, C, Google Test, Google Mock, BASH, Make, GCC, CLang, CLang static analyzer, Jenkins, MS Windows batch files, C#, Windows Forms, MinGW, Subversion

● 01.2015 -

**project** My Blocks and My Intent  
**company** none  
**description**

Studying android ecosystem and developing some open source libraries and apps:

- My Intent <https://github.com/langara/MyIntent>
- My Blocks <https://github.com/langara/MyBlocks>  
<https://github.com/langara/MyBlocksSample>  
<https://github.com/langara/MyTestApp>

## Courses completed at University of Wrocław

- **advanced courses:** Calculus, Programming, Numerical Analysis, Distributed Systems, Discrete Mathematics, Advanced Programming, Formal Languages and Computational Complexity, Algorithms and Data Structures, Simply Typed Lambda Calculus, Functional Programming in OCaml language, Theorem Proving Systems, Logic II, Functional Algorithms and Data Structures, Constraint Problems, Theoretical Basics of Programming Languages, Operating Systems II, Computational Geometry, Parallel Algorithms
- **elementary courses:** Computer System Architectures, Logic for Computer Science, Algebra, Object Programming, Artificial Intelligence, Logic Programming, Methods of Optimization, Neural Networks
- **seminars:** Term Rewriting Introduction, Neural Networks and Statistics, Search Engines
- **courses of programming tools:** Ansi C/C++, Advanced C++, Pascal, Programming Project
- **foreign language courses:** English B1 I, German A1 II

## Personal interests

- Programming      programming languages, open source, Android platform
- Music              guitar playing, rock music, sung poetry
- Sport              snowboard, paragliding, paintball
- Philosophy

*I hereby give consent for my personal data included in my offer to be processed for the purposes of recruitment, in accordance with the Personal Data Protection Act dated 29.08.1997 (uniform text: Journal of Laws of the Republic of Poland 2002 No 101, item 926 with further amendments)*