

**DANIEL STEFAN JANUS**  
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## SUMMARY

A highly versatile software engineer with strong UNIX/Linux background and experience with a diverse range of IT-related areas

## TECHNICAL EXPERTISE

**Programming languages (experience level 0-10):** C (9), Common Lisp (8), Java (8), Bourne shell (8), Pascal (7), Objective Caml (7), Python (7), PHP (7), Haskell (6), x86 assembly (6), Perl (5), Ruby (5), C++ (4), Standard ML (4), Smalltalk (3), JavaScript (3)

**Other languages:** HTML/XHTML + CSS, SQL

**Concepts:** Software portability, unit/component/regression testing, internationalization, MVC, text processing, functional programming, DSLs & metaprogramming, scalability

**Technologies & Protocols:** TCP/IP, XML, XML-RPC, JSON, JSON-RPC, SOAP, SNMP, Ajax, CGI, RTSP, RTP

**APIs & Frameworks:** POSIX, EJB, JPA, Swing, Tapestry, UCW, Weblocks

**Systems:** Linux (Debian, Ubuntu, Slackware), Unix, Windows, VMS

**Version control:** Darcs, Mercurial, CVS, Subversion

**DBMSs:** PostgreSQL, MySQL, AllegroCache

## PROFESSIONAL EXPERIENCE

February 2008 – August 2008

### **Quality Assurance Specialist at Sentivision Poland**

Designed, developed and maintained a Common Lisp-based framework for writing automated regression and end-to-end test scenarios for web applications and IPTV systems; reviewed co-workers' code, proofread external documentation

April 2007 – January 2008

### **Senior Software Engineer at Sentivision Poland**

Designed and led development of a modular IPTV middleware system; technologies used: Java EE 5, EJB 3, Glassfish AS

November 2005 – March 2007

### **Software Engineer at Sentivision Poland**

Wrote C and C++ code for both server- and set-top box-side parts of VOD/IPTV systems; one of the main developers of a IPTV middleware system written in Common Lisp

February 2004 – September 2005

### **Programmer at Institute of Computer Science, Polish Academy of Sciences**

Lead developer of a search engine for large corpora, currently open-sourced, used by the IPI PAN corpus of Polish (cf. <http://korpuz.pl>) and Portuguese LX-Corpus

## EDUCATION

2000 – 2006 Warsaw University, Faculty of Mathematics, Informatics and Mechanics  
M.S. in Computer Science  
(M.S. thesis „*Methods of searching large text corpora*” defended  
on 21-12-2006 as very good)

1996 – 2000 II Lyceum of Starachowice, mathematically profiled class

## OTHER SKILLS AND TRAITS

- Creativity
- Ability to work in a team
- Scrupulousness

## SELECTED SCIENTIFIC PUBLICATIONS

- D. Janus, A. Przepiórkowski, *Poliqarp: An open source corpus indexer and search engine with syntactic extensions*. In the *Proceedings of ACL 2007 Demo Session*, Prague 2007, pp. 85-88.

## LANGUAGES

Polish	mother tongue
English	fluent
German	basic

## HOBBIES

science-fiction literature, linguistics, Scrabble (*rated 123<sup>th</sup> in Poland*), cats

## REFERENCES

available upon request