Artyom Smirnov

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Brief description

My main direction — system development and DBMS.
My primary programming language — C++.
I enjoy OpenSource software and tools which I use both for work and fun.

Projects

C++

Red Database	http://www.red-soft.biz/en/reddatabase_product.html Firebird DBMS fork with improved security
SciDB	http://www.scidb.org DBMS for large-scale scientific experiments based on multi-dimensional arrays

Python

scidbpy	https://github.com/artyom-smirnov/scidbpy Pure python SciDB client library implementation

Pascal

MTDORB	http://sourceforge.net/projects/mtdorb/ Opensource ORB for Pascal

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Experience

Dec 2009 - Present	**Software Engineer**, *SciDB*. Query parsing, translating and processing Client tools Client libraries and drivers JDBC driver Build system, packaging
May 2007 - Aug 2009	**Software Engineer**, *Red Soft Corporation*. Security improvements in Red Database - fork of Firebird RDBMS Porting MTDORB from Kylix to Free Pascal Porting to Linux and supporting Firebird/Red Database replication utility

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Development skills

Programming Languages

C++, C, Bash	**Expert**
Python, Java	**Intermediate**
LaTeX, Pascal	**Basic**

Tools

gcc, gdb, valgrind, bison, flex, cmake, git, svn, ant, maven

Computer skills

IDE   Eclipse, QtCreator, Xcode

OS   Linux (RedHat, Debian), MacOS X

Education

Sep 2004 - **Information Technology**, *Murom Institute (branch) of the Vladimir State University,*
Jul 2009   *Murom, Russia.*
Engineer

Links

LinkedIn   http://www.linkedin.com/in/artyomsmirnov

GitHub   https://github.com/artyom-smirnov