

DMITRY DVOINIKOV
Software developer from Berlin, Germany

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PERSONAL

I am a programmer and I love my job. I have 20 years of programming for money and 8 years of programming for fun before that, started in 1988 at age 12.

Over the years I worked on a handful of projects, and they were mostly green field development. Therefore each time I had to work with many people for many years to build and maintain actual products.

Although my position was invariably some kind of "software developer", the actual job always involved architecture development for the entire project or parts of it.

Over time I came to believe that people matter, not technologies. And thinking is more important than knowing. Therefore I'd prefer a thinking job along the lines of network services, distributed, databases, security and usability.

I also run a few open source projects, mostly in Python, they are listed below.

Job unrelated, my wife and I we are vegetarians and in our spare time enjoy yoga, jazz and riding bicycles (which is only natural in Berlin :)

EXPERIENCE

Jan 2017-present **Senior software developer at 3T Software Labs**

Developing the best GUI client for MongoDB. See <http://3t.io>

Java
SWT
MongoDB

Oct 2015-Dec 2016 **Senior software developer at FinReach**

Developing a Ruby on Rails application for switching bank accounts for a fintec startup. For me this was a sudden change in every imaginable aspect - from back-end to front-end, from Python to Ruby stack, from Windows environment to Mac, from proprietary cubicle to startup open space, finally from Russia to Germany.

Ruby on Rails
Bootstrap
Angular
SCSS
JS, CoffeeScript
MongoDB

2009-2015 **Lead software developer at Infosysco in Ekaterinburg, Russia**

Design and development of a proprietary online banking system and related cryptographic security products (digital signature, TLS stack, web and desktop app), integration of various financial systems, such as credit card processing for customers. Our product was rated the best online banking solution in Russia in 2013, see <http://goo.gl/lsT9Na> (in Russian)

Python
C++, Delphi
PostgreSQL
crypto libs & hardware
OpenSSL/GOST
var. protocols & APIs
Windows, FreeBSD

2011 Participated in Intel Parallel Programming contest Acceler8

My solution ended up to be the fastest of the "parallel" kind. Unfortunately, a quirk in test data generation made it possible for the winners of that particular contest to ignore the brute force parallel aspect of it in favor of direct algorithmic single-threaded solutions.

C++
Intel TBB
intrinsics
x86 assembler
SSE

2004-2009 **Lead software developer at Severnaya Kazna in Ekaterinburg**

Design and develop a proprietary online banking system and related cryptographic security products, integration of various banking systems. Our product was rated the best online banking solution in Russia in 2006 and 2007, see <http://goo.gl/i8jXBc> and <http://goo.gl/f5xttZ> (in Russian)

Python
C++
Delphi
MS SQL Server
PostgreSQL
crypto libraries
var. protocols and APIs

2006 **Remote consultant/contractor at ScriptLogic Inc, USA**

Design and develop a product for tunneling TCP through HTTP for the purpose of defeating firewalls and proxy servers. Later part of the Desktop Authority product.

C++
Win32/WinSock
OpenSSL

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| <p>2001-2004 Lead software developer at the Center for Informational and Financial Technologies in Ekaterinburg</p> <p>Design and develop proprietary financial systems, such as remote banking, stock accounting and OLAP data analysis.</p> | <p>C + +, Visual Basic
COM, ATL
MS SQL Server, T-SQL
MS Access, ADO
XML, XPath, XSLT
crypto libs</p> |
| <p>2000-2001 Software developer at SSI Micro in Yellowknife, Canada</p> <p>Build web sites for customers, design and develop software for controlling various satellite networking hardware remotely.</p> | <p>FreeBSD, Apache, HTML
BOA (scripting language)
C, device protocols, RS232</p> |
| <p>1998-2000 Software developer at Uralvneshtorgbank in Ekaterinburg</p> <p>Build an interactive bank web site with a back-end connected to various information sources inside.</p> | <p>Windows NT, IIS
ISAPI, Delphi, C
Paradox, MySQL
DDE, Excel</p> |
| <p>1996-1997 Database software developer in Ekaterinburg</p> <p>Design and develop a database application for managing information on archaeological sites.</p> | <p>Windows 95
MS Access
Delphi</p> |

EDUCATION

BS in mathematics, graduated in 1998 from the Urals State University in Ekaterinburg, Russia.
Short-term post-graduate study in Russia-specific cryptography and information security.

OPEN SOURCE

2005-present **Pythomnic3k**

Python 3 application framework for writing distributed network services with hot reloading.
<http://www.pythomnic3k.org>

2005-present **Python recipes**

Self-contained utility modules for various development tasks.
<http://goo.gl/U5PXPI>

2003-2005 **Green Mail filter**

Anti-spam mail server in C + + extensible with embedded Python rules.
<http://www.targeted.org/green>

2001-2005 **Nest**

Point-to-point IP VPN daemon for FreeBSD.
<http://www.targeted.org/nest>

1998-2004 **HTTPort**

Client-server pair of Windows applications for tunneling TCP through HTTP.
<http://www.targeted.org/httthost>

1998 **Opaque**

Data compressor for DOS in x86 assembler.
<http://www.targeted.org/files/opaque.zip>

REFERENCES

Outstanding erudition, working capability, responsibility, knowledge of modern languages and technologies allow to recommend Dmitry as valuable asset for any employer.

Alexey Sintsov

CEO at Informational Systems

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tel. +7(343)2720810

I have worked with Dmitry on multiple projects, and he always exceeded our expectations, he's one of the best experts in the field, it's really easy to work with him and Dmitry always bringing his 'A' game.

Rafi Nagli

Director of Product Development at ScriptLogic

<http://www.linkedin.com/in/rnagli>

Dmitry is one of the best engineers I have pleasure to work with. In many projects Dmitry has been able to successfully think through the most complex business processes, architect comprehensive frameworks and apply existing technologies in most right way. His working experience with modern technologies and practices in different areas of software industry allowed him to use really effective methods for software development. I am sure that Dmitry would be a great asset to any company.

Mikhail Sidorov

Technical Director at NPO SAPFIR

<http://www.linkedin.com/in/masidorov>

I would heartily recommend Dmitry for any technical project, firstly for his technical skills, secondly for his professionalism, and lastly for his genuine warmth, patience, well-rounded education, and genuine interest in the world.

Jeremy Childs

Director of Development at SSI Micro

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<http://www.linkedin.com/in/jeremy-childs-9326966>
