

PERSONAL INFORMATION

Dmitri Nosovicki



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Sex Male | Date of birth 16 Jul 1973 | Nationality Ukraine

PERSONAL STATEMENT

Software Engineer / Researcher / Manager

Areas of Expertise

Engineering Management | Process Improvement | Agile Methodology | Quality Management | Academic Writing | Software Modeling | Knowledge Acquisition | Team Leadership | Design of Experiments

Research Interests

Computational Linguistics | Abstract Model Theory | Human-computer Interaction | Probabilistic Inference | Control Theory | Information Theory | Artificial Intelligence

WORK EXPERIENCE

Jun 2016–Present

National IT Officer

Organization for Security and Co-operation in Europe | OSCE | Special Monitoring Mission, Kyiv (Ukraine)

Responsible for all software development in OSCE's Special Monitoring Mission in Ukraine

Sep 2015–Jun 2016

Research Affiliate

Institute of Electrical and Electronics Engineers, Washington, D.C., DC

Research area: Minimum Description Length Boundaries and Machine Learning for Arithmetic Coding.

Aug 2014–Sep 2015

Military Service

79th Airmobile Brigade, Ukrainian Ground Forces, Mykolayiv (Ukraine)

Active Combat Medal and Certificate of Honor for defense of city Mariupol

Aug 2013–Apr 2014

Chief Technology Officer

EPITU Systems, Moscow (Russia)

Fostering collaboration with Russian scientific centers, coordinated software research and certification for Russian Civil Aviation EGPS / FM / AFC, as well as for Flight Simulation and Control Surface Flow. Also designed, supervised and conducted experiments with materials for aviation.

Jun 2012–Sep 2013

Development Manager

Cisco Systems (remote in-sourcing through Mirantis), San Jose, CA (United States)

Coordinated multiple cross-functional teams of up to 25 software engineers and researchers based in US, Russia, India and Ukraine. Delivered a spectrum of software and hardware solutions, reporting to a Technical Leader and Director of Engineering. Contributed to requirements and functional specifications, managed delivery schedules, performed resource allocation; planned, supervised and contributed to architecture, code, documentation, and test automation. After termination of Cisco account, continued work in Mirantis as Development manager on projects for Dell, NetApp, PayPal, GE, and Intel.

Sep 2011–Feb 2012

Software Development Department Manager

Advanced Information Technologies Agency, Moscow (Russia)

Managed joint Moscow / Ulyanovsk (9 people) effort to research and develop the Integrated Consumer Trade System (aka Consumer Google). Implemented performance indicators, established quality control, introduced project documentation, deployed collaborative software suite, facilitated cross-country technical communications, performed software audit and estimation.

- Introduced defects decreased to 0
- Old bugs were fixed without abandoning legacy code
- Development cost decreased
- Release was rescheduled to earlier dates

Sep 2010–Apr 2011

Technical Leader, Software Development

Johnson & Johnson, Moscow (Russia)

The final software represented a semi-automatic pragmatic parser with linear algorithmic complexity, applied to large amounts of information coming from a multilingual dealer network. Effectiveness of the researched algorithm was based on the fact that representing lexical environments as Markov chains allowed to view certain context-based semantic structures as context-free Chomsky grammars.

Aug 2008–Oct 2009

Software Engineer

Advanced Information Technologies Agency, Moscow (Russia)

Maintained an in-house e-commerce engine. Technologies: LAMP, JavaScript, C, Gambit-C, Bash.

- Developed a data-mining meta-search engine with a permissive HTML parser and a recursive controlling language for relational information retrieval.
- Implemented distributed high-load architecture for continuous web deployment and delivery.

Mar 2004–Mar 2008

Software Engineer

Johnson & Johnson, Moscow (Russia)

Developed in-house software solutions for the Supply Chain Management, Human Resources, and Distribution Channels Management. Some of my design decisions were a great success at a presentation held for our software products at JnJ headquarters

EARLIER CAREER NOTE:

Software Engineer, J'son & Partners, Moscow, Russia

Computer Technician, NHK Japan Broadcast Corporation, Moscow, Russia

EDUCATION AND TRAINING

Master of Science

EQF level 7

National University of Radio and Electronics, Kharkiv (Ukraine)

Computer Systems and Networks

PERSONAL SKILLS

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	B2	C2	C2
UC BerkeleyX Certificate for Principles of Written English					
Russian	C2	C2	C2	C2	C2
Japanese	A2	A1	A2	A1	A1
Ukrainian	C2	C2	B2	B2	B1
Spanish	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Driving licence B1, B

ADDITIONAL INFORMATION

Areas of Expertise

Project Management | Process Improvement | Agile Methodology | Quality Management
Academic Writing | Software Modeling | Knowledge Acquisition
Team Leadership | Design of Experiments

Research Interests

- Human-computer Interaction | Computational Linguistics | Abstract Model Theory
- Probabilistic Inference | Control Theory | Information Theory | Artificial Intelligence

Professional Development

Massachusetts Institute of Technology Cambridge, MA

6.001 Structure & Interpretation of Computer Programs
6.002x Circuits & Electronics
6.034 Artificial Intelligence
6.041x Probability
6.050J Information & Entropy

Udacity: Programming a Robotic Car, Building a Search Engine -- both with Highest Distinction
Brainbench: PHP 5, Java 2 EE, C++, C# 2.0, Python 2.4, Unix Administration (SUN Solaris 10)

CPDM, Cisco Systems; **PMBOK**, PMI; **ISO-9001**, ISO/IEC; **DO-178B/C**, FAA

Technical Proficiencies

Analytics & Planning: Doors, Excel, Project, Rodin
Methodologies: 4+1, Agile, CPDM, MVC, OOAD, RUP, Scrum, TDD, TSP/PSP, UML, XP, DO-178B
Specifications: ARP, Event-B, CMMI, ISO9001, PMBOK, DNS, HTTP, IP, IPX/SPX, NDS, NetBEUI, SOAP
Languages: C, C#, C++, Erlang, Haskell, J, Java, Javascript, Objective-C, Perl, PHP, Python, Scheme
Infrastructure: AWS, Azure, Bugzilla, CVS, Framac, Gerrit, Git, Hg, Jenkins, Jira, ReviewBoard, SVN
Databases & Storages: CDMI, FoxPro, MongoDB, MySQL, PL/SQL, S3, Swift, TSQL
DS Languages & Environments: 1C, AWK, BASH, Boost, CSh, Emacs, LSL, Poco, SGML, Termite, Vim
OS & HW Architectures: ARM, DOS, MIPS, NetWare, OpenStack, OS/2, Solaris, VxWorks, Windows
Scientific & Engineering: BrainMaker, Catia, Julia, LaTeX, MatLab, Maxima, MSEB, SCADE,

SimuLink

Network & Middleware: BizTalk, EJB, Hadoop, RabbitMQ, SDN, SharePoint, Spark, SSL, TCP, UDP, WCF

Web technologies: ActionScript, Apache, CSS, HTML, jQuery, Nginx, XML, Xpath, XSLT

UNIX: Aix, CygWin, Linux, CentOS, Debian, Fedora, Gentoo, Slackware, Solaris, Ubuntu

Selected Publications

- [1] Metcalfe's Law Revisited, Arxiv.org, 2016
- [2] Software Defined Networking and the OpenFlow Standard, Mirantis, 2013
- [3] File Systems Investigation for WAAS Object Cache, Cisco Systems, 2012
- [4] Haskell / Denotational Semantics, WikiBooks, 2006
- [5] Vim (in russian), WikiBooks, 2006