

Technical skills summary

Programming languages:	C++, Objective-C, C, Perl, Java, Python, C#, Transact-SQL, PHP and others
Operating systems:	Linux, MS Windows, Android, OS X, FreeBSD 2.x – 6.x, iOS, Solaris 8-9, OpenBSD, OSF/1, ThreadX, Himalaya/NSK (Guardian OS)
Routing protocols:	RIP, OSPF
Hardware platforms:	x86, ARM, PIC, SUN's SPARC, Cisco routers
Databases:	MySQL, NSK SQL/MP, MS SQL 2000, DB2
Web/Application servers:	Apache, Tomcat, IIS
Technologies:	Video processing, Augmented reality, Qt 3.x-5.x, POSIX threads, BSD sockets, UNIX IPC, XML and XSLT, encryption, H.323, SIP, RTP, VoiceXML, MRCP;
Tools:	Vim, MS Project and lots of others;
Tasks:	Project management Software architect and planning (including parts of MIL-STD-498) Software development Some parts of quality assurance System administration Network design and implementation Basic hardware design and prototyping

Patents

US 20110194769 IMAGE PROCESSING METHOD AND APPARATUS
US 20140177953 METHOD AND APPARATUS FOR EMBEDDING MESSAGE INTO IMAGE DATA

Languages

Russian Native
Ukrainian Native
English Good reading/writing skills but not frequent conversational experience

Experience

2013.X – current **Wargaming.net**

Position: Solution for game's distribution and self-update (millions of clients per day, gigabytes per client, etc...).

Senior Engineer

2013.I – 2013.VI **WebOS, Luxoft**

Position: Media files indexing solution.

Senior Engineer Operating system self-update and recovery on LG's LED TVs.

2012.VI – 2012.XII **AMD, Luxoft**

Position: Development of tools used for video codecs tests, research and optimizations in terms of rate distortion.

Technical Lead

Video pre-processing algorithms R&D.

Video and image codecs optimization with OpenCL.

2009.III – 2012.VI **Samsung Ukraine R&D Center**

Position: Security subsystem for Linux on Mobile initiative (Tizen) (SMACK, custom RPM package manager with X.509 support)

Senior Engineer,

Project Leader

Project leader in mobile devices pairing project (Windows Mobile, Android)

Project leader in port of Enlightenment Libraries (EFL) to ThreadX/COACH platform (UI SDK for photo cameras).

Real-time object recognition and tracking algorithms.

Simple solution for gesture recognition (Linux, ARM).

Custom Linux builds for OMAP 35x processor with DSP and OpenGL ES support.

Cross-platform framework for video and image processing and algorithms demonstration.

2008.IX – 2009.III **SPD Maksym Shevchenko**

Game development for iPhone 2.x platform (<http://www.innerplays.com/>)

PIC microcontroller based control system for water cleaning system (circuit board design and PIC software development)

2008.IV – 2008.IX	Telme	http://telme.sg
Position: <i>Senior developer</i>	Backport of DeskCall NG SIP-phone (based on WengoPhone sources) to Linux and OS X.	
	TJPEG video codec R&D.	
	SIP based VoIP client for iPhone project R&D.	
2007.I – 2008.II	Verbdev/Railsware	http://www.railsware.com
Position <i>Project Manager</i>	General project management: time planning, busses processes analysis, communication with customers.	
2006.IX – 2007.I	FRONTEX	http://www.xcelerix.com
Position <i>Project Manager</i>	General project management: time planning, supervision and assistance.	
2005.II – 2006.IX	PROXYCONN Inc.	http://www.proxyconn.com
Position <i>Software developer</i>	Software development for www.gttb.com data leak prevention solution (Linux, C++, SMTP, XML, LDAP, etc...)	
2004.VI – 2005.II	TeleExpress XII	http://www.utel.us
Positions <i>General Project Manager</i>	General project management	
<i>Lead developer</i>	Development of VoIP H.323 router/proxy (Linux, C++, threads, MySQL, OpenH323, RTP)	
2004.I – 2004.VI	Self-employed	
	Development of MRCP server (C++, ACE toolkit, Solaris 9, VoiceXML, RTP, RTSP, port to Solaris and Linux, integration with Cisco ICM and QA duties)	
	System administration duties (Linux, FreeBSD)	
2003.VI – 2004.I	Royal Holding	
Position <i>Senior Developer</i>	Gambling web applications development (Python, Zope, MySQL, C#, MS SQL 2000)	
2002.IX - 2003.VI	DevelopEx	http://www.developex.com
Position <i>System specialist</i>	Development of messenger server for www.integritymessenger.com (Software design and development, C++, STL, POSIX threads, XML, sockets, UML, BerkleyDB, MySQL)	
	Low weight character recognition solution (C++, Win32).	

2000.II - 2002.VIII **ALTA Eastern Europe** <http://www.alta.net>

Position
System specialist

Development of CSL 2.0 for UNIX (UML, GNU C++, POSIX threads, sockets)

Design and implementation of PowerB2O product security system (UML, C++, NSK SQL/MP, MD5)

Participation in development, testing and deployment PowerB2O product for Volvo automobile plant in Gothenburg (C, NSK SQL/MP, own testing tools)

Development of CSL Java Demo for presentation on International Tandem User Group conference. (C and Java, Tomcat, port of Apache web server to Himalaya/NSK platform)

Development, testing and deployment in number of small projects for PowerB2O product (C/C++ and NSK SQL/MP, Himalaya/NSK platform)

Development and project management for www.workingday.com (Perl, HTML, MySQL)

Intranet development and support (Art, ASP, HTML, WML, Apache with SSL)

Digital video/image production for sale's presentations (3D Max, photography, Adobe Premiere, etc)

Internal network administration and help-desk (FreeBSD, Windows 2000, VPN, VoIP solution for distributed intranet)

1997.X - 2000.II **International Telecommunications Center "KS-Net"** <http://www.kar.net>

Position
UNIX system administrator

Design, implementation and support of user accounting system for internet service provider (Perl, PHP, HTML, JavaScript, MySQL, BerkleyDB, TACACS)

Implementation of the backbone in part of Crimea Internet for Cooperation Project NATO/ISEP (Cisco hardware, leased lines, FreeBSD, OpenBSD)

Client's networks setup and tuning (FreeBSD, OSF/1, OpenBSD, Linux, Windows 3.1-98, leased lines, OSPF)

System and network administration (up to 1200 clients) (Solaris 2.5.1-8, Sun hardware, Linux, FreeBSD, Apache, FTP; Radio Ethernet and Cisco hardware)

Customer support in hi-end services and help-desk

1995.V - 1997.XI **Charity Information Center "GD"**

Position
Technical Director

Management of equipment purchases, setup and configuration (Windows 3.11-95, OS/2, FreeBSD, Linux) and help-desk

Education

In 1995-2000, after finishing KPI Lycee, I have finished 3 years in Kiev Polytechnics Institute (NTUU KPI) on specialties Applied informatics of physical processes (PhTF faculty) and Automatic control systems (FIOT faculty). It is unfinished higher education, I don't have a diploma.