

# Georgi Detelinov Petrov

July 2012

<b>Contact Details</b>	
Country:	<b>Bulgaria</b>
Address:	<b>Sofia, Krasna Polqna, bl. 6 , ap. 32</b>
Mobile:	<b>+359 888 367964</b>
E-Mail:	<a href="mailto:gog@gateit.net">gog@gateit.net</a>
ICQ #	<b>67304685</b>
Skype:	<b>gog_abv.bg</b>
Alternative e-mail	<b>vurgun.gg@gmail.com</b>

<b>Personal Information</b>	
Nationality:	<b>Bulgarian</b>
Birth date:	<b>28.07.1980</b>
Age:	<b>31</b>
Birthplace:	<b>Vratca</b>
Completed military service:	<b>No</b>
Marital status:	<b>Single</b>
Driving license:	<b>Yes</b>

<b>Foreign Languages</b>	
<b>English</b>	Good (spoken, written)
<b>Russian</b>	Good (spoken, written)
<b>Bulgarian</b>	Native

<b>Education</b>			
University:	<b>Sofia University</b>	From:	<b>2003</b>
Degree:		To:	
Specialty:	Sociology		
Department:	<b>Faculty of philosophy</b>		
High School:	<b>High school , Samokov</b>	From:	<b>1998</b>
Speciality:		To:	<b>1995</b>

<b>Employment History</b>			
Organization:	<b>Vonix Ltd.</b> , [ <a href="http://www.vonix.net">www.vonix.net</a> ] R&D center of Fibernetics Group ( <a href="http://www.fibernetics.ca">www.fibernetics.ca</a> )	From:	<b>September 2006</b>
Title:	Senior system administrator	To:	<b>May 2012</b>
Duties:	Administering more than 100 FreeBSD and Linux servers (mainly FreeBSD). Participation in designing, implementing and maintaining of all company projects. Writing voip and any kind of system tools and applications - VoIP and IVR systems, predictive dialers, analyzing and reporting tools. Automating day to day admin tasks. Troubleshooting VoIP issues on the SIP side. Troubleshooting networking issues. Shared hosting system. Implementing HA and redundancy in the projects with high load and high traffic on both VoIP and web services.		
Organization:	<b>Newtech-BT Ltd.</b> , (ISO 9001:2000) [ <a href="http://www.newtech-bt.bg">www.newtech-bt.bg</a> ]	From:	<b>February 2005</b>
Title:	Telecommunication Projects Department	To:	<b>September 2006</b>
Duties:	System and network integration, Linux and Open source solutions Design, installation and administration of communication networks (optical, wireless, copper) and network services (data, voice). Network servers installation, administration and support. Projects implementation, support and consulting. Communications management and maintenance.		
Organization:	<b>OnlineDirect Ltd.</b> , [ <a href="http://www.unitednetworkx.com">www.unitednetworkx.com</a> ]	From:	<b>April 2004</b>
Title:	System and network administrator	To:	<b>February 2005</b>
Duties:	Junior network administrator and FreeBSD system administrator.		

	Developing hosting and management system. Building and administering dynamic content system (postgresql + Perl). Chroot and FreeBSD jail implementations. Integration and expanding network monitoring system based on open source software. Administering different type of services dns, http, ftp, Mail(SMTP/POP3/IMAP), SQL servers, redundancy, round robin systems and servers administration. Experience with all types *BSD firewalls (PF, IPF, IPFW).		
Organization:	<b>Stealtech Ltd.</b> , [www.stealtech.org]	From:	<b>October 2001</b>
Title:	PC technician	To:	<b>March 2003</b>
Duties:	Repairs and maintenance of PC hardware. Technical, hardware and software support. Installation, testing and troubleshooting (desktops, notebooks, printers and scanners). Selection of modules and components and building of computer systems - personal computers, workstations and middle end servers. Design and implementation of small and medium local networks.		

<b>Skills</b>		
Communication networks design, installation and administration	LAN networking, Structured cabling	practical experience built up in 8 years
	MAN/WAN networking, Routing/Switching	
	Data, voice (VoIP) services	
Communication devices knowledge and installation	LAN NICs, L2/L3 switches, Bridges, Routers (access, edge), Wireless devices (802.11a/b/g), GSM/SMS gateways, Multiplexers , VoIP (SIP, H.323) telephones, gateways and gatekeepers, Interface converters (optical, copper)	practical experience built up in 4 years
	Cisco, Dell, TELiNDUS, 3Com, Perle, Zcom, CTS, 2N	
Network servers and services experience	Installing, configuring and maintenance of the following services: <ul style="list-style-type: none"> <li>- WWW: Apache, NginX, Lighttpd, Tomcat, Glassfish</li> <li>- MAIL: Postfix, Sendmail, Courier, Cyrus, Exim</li> <li>- FTP: BSDs ftpd, Proftpd, Vsftpd, Pureftpd</li> <li>- FIREWALL: Iptables, IPFW, PF, IPFirewall</li> <li>- DNS: Bind, PowerDNS</li> <li>- VOIP: Asterisk, Yate, FreeSwitch</li> <li>- DHCP: ISC DHCP</li> <li>- VIRTUALIZATION: FreeBSD Jails, OpenVZ, XEN</li> <li>- BACKUP: Rsync, Dump/restore live filesystem</li> <li>- OTHER: OpenVPN client server, Samba, Tinyproxy, Squid</li> </ul>	
Programming / Scripting Languages:	Programming with Perl, CGI, SQL, Shell scripting	practical experience built up in 10 years
	Web developing with HTML, CSS, Javascript	
Operating systems	UNIX (FreeBSD)	practical experience built up in 10 years
	Linux (Debian, Fedora, CentOS)	practical experience built up in 5 years

<b>Last five years most interesting projects</b>	
Client:	<b>Vonix internal</b>
Description:	FreePhoneLine – www.freephoneline.ca is one of the most important company projects. Design, maintenance, optimization and monitoring of the whole system; HA design and redundancy. (www.freephoneline.ca, www.budphone.ca, <a href="http://www.dellvoice.ca">www.dellvoice.ca</a> , www.fongo.com)
Used Technologies:	FreeBSD, Fedora, FreeBSD CARP, Glassfish, Tomcat, Redis, Mysql master-master-slave replication, XEN, HAproxy, Lighttpd, Postfix MTA, Java, Perl
Client:	<b>Vonix internal</b>
Description:	Didoasis, ORS - part of the team worked on based on yate VoIP switch ( <a href="http://vonix.net/didospro_details.html">http://vonix.net/didospro_details.html</a> , <a href="http://vonix.net/orspro_details.html">http://vonix.net/orspro_details.html</a> )
Used Technologies:	FreeBSD, FreeBSD CARP, Apache, Redis, Yate, PHP, Perl, MySQL master-master replication
Client:	<b>Vonix internal</b>
Description:	VVS - part of the team worked on class 5 softswitch based on OpenSips and FreeSwitch
	FreeBSD, Debian, FreeBSD CARP, Apache, Redis, OpenSips, FreeSwitch, PHP, Perl, MySQL master-master replication
Client:	<b>Vonix internal</b>
Description:	Predictive dialers based on Yate, Asterisk and Freeswitch. Written in Perl.
Client:	<b>Vonix internal</b>
Description:	iRGM - Backend of multiple Asterisk servers for audio-text service which are able to handle more than 2000 simultaneous calls. Written in Perl.
Used Technologies:	FreeBSD, Asterisk, MySQL master-slave replication, Haproxy, Apache, Perl
Client:	<b>Vonix internal</b>
Description:	Justwithme - www.justwithme.com - system design and programming of dating IVR system on Perl and Asterisk, accounting and authorization with third-party billing system.
Client:	<b>Vonix internal</b>
Description:	Rangtel - www.rangtel.com - prepaid card system based on Perl and Asterisk with integration with PortaBilling system using RADIUS AAA.
Client:	<b>Vonix internal</b>
Description:	Onlinetel - www.onlinetel.com - prepaid IVR system based on Perl and Asterisk and integration with third-party billing system.
Client:	<b>Vonix internal</b>
Description:	SIP analyzer/defender - SIP tool that analyzes SIP traffic on the same server where and sip application is deployed and decides which traffic to pass and which one to reject, using predefined customer rules and limits. Written in Perl.
Client:	<b>Vonix internal</b>
Description:	Emergency notification system - analyze messages sent by internal monitoring system and if it finds service(s) with critical status, the system calls the responsible person/employee and explains the issue over the phone. Written in Perl.

<b>Old interesting projects</b>	
Client:	<b>UMK</b>
Description:	Installation and support for routers connecting remote offices of company via L2 MPLS network of BTC.
Client:	<b>DSK Bank</b>
Description:	Installation and support for xDSL Modems/Routers/Bridges and interface converters connecting remote offices all over Bulgaria. Implementing a system translating POS terminals and ATMs communication over TCP/IP network (with approval from Borika)
Client:	<b>Bulbank</b>
Description:	Installation and support for Juniper equipment.
Client:	<b>Metrolan ISP</b>
Description:	Migration to multy-homing - AS 44072. Set up core equipment, border routers, BGP4 configurations and settings using Quagga Network topology design and implementation of server farm and network, including routers, accounting, billing, QoS and traffic control. Hosting solutions and customer management solutions. Billing and accounting software.
Client:	<b>EasyLAN ISP</b>
Description:	Design and initial implementation of network. Later merged with GlobalLAN.
Client:	<b>Sofspravka</b>
Description:	Installation and support for a ISDN multiplexer and GSM gateways which augment the capacity and ensure proper functioning of voice calls from the PSTN/GSM network to IVR/Call Center services
Client:	<b>VideoLAN ISP</b>
Description:	Migration to multy-homing - AS 196930. Set up core equipment, border routers, BGP4 configurations and settings using Quagga