

# Filippov Sergei

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Dushanbe, Tajikistan  
http://www.geocities.com/serjio\_28  
e-mail:serjio28@inbox.ru,serjio\_28@yahoo.com, serjio@tajik.net  
ICQ:308835322  
MSN:serjio@tajik.net

## Objective:

Linux programmer

## Summary:

Computer Software Developer with over ten years of an in-depth, hands-on experience in software designs, developing and testing. This invaluable experience encompasses a wide range of software development techniques and tools, as well as extensive knowledge of system and kernel level programming, business database applications, Web programming, network solutions, object-oriented technology. Have a good core-level knowledge of the ARP, IP, TCP, UDP networking protocols. Familiar with various web sites creation techniques. Author of a lot of programs for networks monitoring and statistics accounting. Have an experience in kernel modules programming.

## Technical Skills:

### Programming Languages:

C (8 years), C++ (7 years), Assembler language (Intel&ATT) (8 years), Perl (5 years), PHP (5 years), SQL (4.5 years), Bash (6 years), JavaScript (5 years), HTML (6 years), DHTML (2 year), CSS (3 years), XML (3 years)  
Pascal (10 year), Visual Basic (3 year)

### Operating systems:

Linux (Debian, RedHat, Mandrake) – (7 years), Windows 95/98/NT/ME/XP/2000 (10 years)

### Network protocols knowledge:

ARP, IP, ICMP, TCP, UDP, RIP, OSPF, HTTP

### CPU technologies knowledge:

MMX

### DataBases:

MySQL (5 year), Interbase (6.5 year), ODBC (6.5 year)

### Linux technologies and applications:

kernel programming and kernel configurations, User Mode Linux Kernel  
network level programming, application level programming  
gcc, KDE, XFree86, GD  
mrtg, iptables/ipchains, OpenVPN, Gre tunneling, bind, zebra(RIP, OSPF), ssh  
apache, php, perl, squid, srg, sarg  
Qmail, sendmail  
OpenSSL

### Web payment technologies:

PayPal

### Networking technology:

LAN, WAN, Ethernet(10/100), DSL, Cat-5 Cabling, Wireless, Cable modems

### Windows application and technologies:

DELPHI (8 years), C++ Builder (8 years), Borland C++ (7.5 years), Borland Pascal (10 years),  
Visual Basic (6 years), MS Lotus Notes (6 years),  
MS OFFICE, Adobe PhotoShop, antivirus software etc.

## Professional experience

### March 2003 - Present

### Internet Service Provider EASTERA, Dushanbe Tajikistan

*Networks administrator, system and network programmer, web-programmer*

1. Creation and upgrading software to monitor various networks activities:  
network users accounting, networks status, networks loading and loss statistics  
processing a proxy server statistics
2. Author and designer of the main website of the company (<http://www.tajik.net>)
3. Developer of the special client-server system to provide end-users with information about their billing status and network usage.
4. Author of the voice notification system. The system is one of the core pieces of our ISP. It perform constant control our system activities, networks accessibility and loading. All critical and suspicious parameters are voiced via speaker to technical personnel.
5. Author of the system for gathering statistics of our wireless networks. System is producing the real-time graphics of various parameters of our wireless networks.

6. Created the program for monitoring various CPU parameters of our servers. Program in real-time mode takes CPU status of servers and draws drafts. It also shows a list of top of processes on each of server.
7. Create and support networks
8. Install and administer Router, Web and Mail servers
9. Support routing of networks.

**November 2002 - March 2003**

**(Telework) web site creation for the Tajik branch of the Open Society Foundation**

*Senior web programmer*

1. Creating software for the web site of the Tajik office of OSI.

**March 2002 - March 2003**

**Internet Service Provider CADA, Dushanbe Tajikistan**

*System programmer*

1. Development and creation of software for mail flow monitoring.
2. Created a special antivirus software. Produced a special add-in for Qmail mail server to check flow mail traffic for viruses.
3. Install and administer Router, Web and Mail servers

**August 2001 - March 2002**

**Development Gateway, the international program financed by the World Bank**

*Senior web programmer*

1. Created software for web portal of the Tajik branch of project Development Gateway (<http://www.tajik-gateway.org>)
2. Developed software for the site. Wrote the core engine for content and news management of site.
3. Performed software installations, upgrades and patching for Linux OS.

**November 2000 - August 2001**

**T-Runk Company (mobile and wireless connections distributor).**

*Software engineer*

1. Played major role in networks administrating and support of a mail server of the company.
2. Provided assistance to networks users.

**January 1995 - November 2000**

**Textile Factory "TajikTextile"**

*Software programmer*

1. Development of software for book keeping.
2. Designed and implemented manufactured goods accounting programmes.
3. Served as network consultant.

**Education:**

March 1998 - Lotus Notes Administrator courses Washington D.C., USA

1992 - 1997 - Tajik Technical University. Master's degree (equivalent) in software engineering

**Web jobs and publications:**

[http://www.geocities.com/serjio\\_28](http://www.geocities.com/serjio_28) – personal web site

<http://www.tajik-gateway.org>

<http://osi-tj.tajik.net>

<http://www.tajik.net>

<http://innews.tajik.net>

**Foreign languages:**

English speaker

Russian native