

# Filippov Maxim Fedorovich

---

Birth date: 01.12.1978.

Contact info:

phone: +7 (911) 254 35 93; (812) 533 25 09;

e-mail: [jcmvbkbc@mail.ru](mailto:jcmvbkbc@mail.ru)

## Education and certificates:

- 2000. engineer, with specialization «Software for computing machinery and automated systems»; Komsomolsk-na-Amure State Technical University;
- 2001. Brainbench certificates: C, C++, Assembler, TCP/IP administering, Internet concepts, Windows API, Windows NT 4.0 administering.

Languages: English, technical, translate-read-write.

Total experience: assembler (i8080, Z80, i80x86, Atmel) – over 10 years, C/C++ – 9 years, IBM/PC – 9 years, Windows application programming – 7 years; Windows NT/2000 system programming– 6 years; Linux application programming – 3 years; Atmel AVR – 3 years; TCP/IP – 5 years;

## Experience in IT:

Hardware platforms:

- IBM/PC-compatible (8 years), ISA, PCI, AGP, ATA, USB, SCSI; direct programming ISA, PCI, ATA, COM, LPT, USB devices;
- Atmel AVR (3 years), AT90S2313, AT90S8515, ATmega103, ATmega128 – embedded software development, peripheral device programming;

OS'es:

- MS-DOS (8 years), application and system programmer;
- Windows 9x (3 years), administrator, application programmer;
- Windows NT (6 years), administrator, application and system programmer;
- Windows 2000/XP (4 years), administrator, application and system programmer;
- Linux (3 years), administrator, application programmer;

Programming languages:

- Assembler i8080, Z80, i80x86, Atmel (over 10 years);
- C/C++ (over 10 years), portable coding;
- JavaScript (4 years);
- SQL (5 years);
- bash (3 years);

Development environments:

- Borland C/MS-DOS (4 years);
- Borland C++ Builder (1 year);
- MS Visual Studio/Platform SDK (7 лет);
- Windows NT/2000 DDK (6 years);
- Image Craft C for AVR (3 years);
- Atmel AVR Studio (3 years);
- GCC for AVR (1 year);
- GCC for Linux (3 years);
- Eclipse (1 year);
- vim (1 year);

Libraries, API's:

- STL, ATL, MFC, Qt;
- Win32 API, pthread, COM, BSD sockets/WinSock, ODBC, OLE DB, CryptoAPI;
- WDM, NDIS, TDI;

Technologies, protocols:

- Ethernet, Internet, TCP/IP (5 years), application program development, NT kernel driver development, embedded TCP/IP stack development;
- HTTP, SMTP, FTP (3 years), development for embedded system;
- HTML, CSS, XML, ASP (2 years);
- RSA, RC2, RC4, MD5 (1 year), adaptation for embedded system controller;

Other software experience:

- NUMega SoftICE (3 years); MS Kernel Debugger, WinDBG (2 years); gdb, ddd (3 years);

- InstallShield 6 (1 year); rpm (1 year);
- MS Visual SourceSafe (1 year); cvs (3 years);
- MS Office (Word, Excel, Access); OpenOffice;
- PostgreSQL;

### Professional activities:

Since July 2004;

Position: software developer;

Employer: R&EC ETU, Saint Petersburg.

3 Projects: linux-based data acquisition/processing systems;

Personal responsibilities/contribution: database access subsystem development (10000 LOC), GUI development (Qt3, 1000 LOC), measurement acquisition subsystems (TCP/IP, BSD sockets, 3000 LOC);

Technical details: OS – Linux; gcc4.1/3.4/2.95 multiplatform compilation, unixODBC; multithreading;

---

March 2002 – June 2004;

Position: software developer;

Employer: Amur Shipyard, Komsomolsk-na-Amure.

3 Projects: embedded control/data acquisition systems;

Personal responsibilities/contribution: embedded controller software development (ICC AVR, 4000 LOC, MS Visual C++, 35000 LOC), hardware device driver, file system filter driver development (W2K DDK, 3000 LOC); GUI development (MFC);

Technical details: Atmel AT90S2313, AT90S8515 controllers; IBM/PC-compatible embedded control system; Windows NT/W2K+; RS-485, MODBUS protocol; hard real time multitasking; Atmel AT45 FLASH; Hitachi HD44780U LED controller;

---

July 2001 – June 2004;

Position: software developer;

Employer: Ascom, Komsomolsk-na-Amure.

3 Projects: remote control/data acquisition systems;

Personal responsibilities/contribution: embedded controller software development (ICC AVR, 12000 LOC), PC-side software development (MS Visual C++, 19000 LOC); GUI development (HTML/JavaScript, 3000 LOC);

Technical details: Atmel AT90S8515, ATmega103 controllers; RTL8019AS network interface; Atmel AT45 FLASH; Ethernet, TCP/IP, HTTP; cross-platform development (AVR, IBM/PC-MS/DOS, IBM/PC-Win32); IBM/PC, Windows NT/W2K+; COM+, ATL;

---

### Additional Information:

Personal abilities: investigatory behaviour; good learnability, team work abilities.

Nationality: Russian.