

Oleksandr Tymoshenko

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Permanent Address

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Objective A challenging opportunity in areas of OS kernel development, networking, VoIP, embedded systems.

Summary Highly motivated, self directed person. Excellent troubleshooting and multitasking skills. Quick learner. 10 years of UNIX experience. FreeBSD committer.

Languages: MIPS Assembly, C, C++, Perl, Python, shell scripting
Development Tools: BSD Make, GNU Make, GDB, GNU Autoconf, some experience with bison/flex.
SCM Tools: Perforce, CVS, Subversion
Operating Systems: FreeBSD, GNU/Linux, Mac OS X

Employment **PBXpress Communications Inc.** 05/2004 – 08/2008

Senior Software Developer.

- Developing Zapata Telephony infrastructure drivers for FreeBSD.
- Developing Web interface of product using HTML::Mason.
- Developing SIP back-to-back user agent.
- Solving crucial problems for customers, providing direct customer feedback.

Technologies extensively working with:

- C/Perl/Python
- SIP/RTP
- ISDN
- HTML::Mason – Perl-based web site development engine
- FreeBSD kernel and userland internals
- CVS

theKompany.com 08/2002 – 04/2004

Software Developer.

- Developed cross-platform Qt/C++ UI for Linux/Mac OS X/Windows.
- Maintained Mac OS X versions of products.
- Developed SIP soft-phone for Linux/Qtopia based PDAs.

Technologies extensively worked with:

- C++
- Qt/Qt embedded
- Linux/embedded Linux/Mac OS X
- SIP/RTP
- CVS

**Information and Computer Center of
National Taras Shevchenko University of Kyiv**

1998 – 04/2004

NOC engineer

- Tailored FreeBSD kernel to suit NOC's specific needs.
- Performed maintenance of University's network services.

Technologies extensively worked with:

- C, Perl, shell scripting
- HP-UX, FreeBSD, Linux
- CVS

**Software
Contractor**

Selected projects:

- Developed wiki-like server/client system for Andrew Smart Team Consulting GmbH. Technologies involved: Python, PyQt, RCS.
- Developed multi-player server for Terragame Group's LiveBilliards game. Technologies involved: C++, Perl, POSIX Threads, Linux.
- Development and maintenance of ATUM, MMORPG server for AOP LLC, Kiev. Technologies involved: C++, BSD sockets API, SysV IPC, FreeBSD.
- Developed SMS services framework for WellCOM GSM operator. Technologies involved: C, Perl, POSIX Threads, SMPP, Linux.

Open Source

- Porting FreeBSD to MIPS platform.
- Random patches to asterisk, open source telephone system.
- Ported Zapata Telephony infrastructure drivers from Linux to FreeBSD.
- Maintaining VoIP and IM related FreeBSD ports.
- Ported ODBC++ library to Mac OS X.
- vICQ - console based ICQ client written in Perl.

Education

B.S. in Applied Mathematics, June 2002

Theoretical Cybernetics department of National Taras Shevchenko University of Kyiv, Ukraine.