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OpenPGP	1E3AD15E

#### Fulltime Jobs

Date	Company	Description
2006-...	<b>Red Hat</b>	<p><b>LLDB</b> debugger developer and formerly <b>GDB</b> debugger developer. <b>GDB</b> developed primarily 2007-2013, 1231 commits: <a href="#">log</a>.</p> <p>I was GDB maintainer for <b>Fedora&amp;RHEL</b>. Larger features I have implemented: <b>PIE</b> support, DWARF-5 entry values &amp; tail calls, Fortran modules, DWARF-5 excl. DWO incl. .debug_names index producer &amp; consumer excl. namespaces. Implemented in Fedora but never upstreamed: C&amp;Fortran <b>VLA</b>, build-id.</p> <p><b>LLDB</b> developed 2017-2021, 159 commits: <a href="#">log</a>, <a href="#">reviews</a>.</p> <p>Developed <b>Linux kernel ptrace testsuite</b> (most of the testcases are mine). My presentations about <b>GDB</b>: <a href="#">2011</a> <a href="#">2012</a> <a href="#">2017</a></p> <p>My presentation about <b>LLDB</b>: <a href="#">2019</a></p> <p>My article about <b>LLVM/Sanitizers</b>: <a href="#">2021</a></p> <p>My <b>DWARF</b> standard clarifications: <a href="#">1</a> <a href="#">2</a> <a href="#">3</a> <a href="#">4</a> <a href="#">5</a> <a href="#">6</a>, extensions: <a href="#">1</a>, <a href="#">2</a>, fix: <a href="#">1</a>.</p> <p>My <b>LLDB buildbot</b>, its <a href="#">implementation</a>.</p> <p>Completed <b>RHCE</b> certificate <a href="#">110-518-099</a>.</p> <p>Wrote many bugfixes and bugreports for various components of <b>Fedora Free</b> operating system.</p>
2005	<b>VA Linux Systems Japan</b>	<p><b>Linux kernel</b> – first ever Linux kernel relocatability for <b>kdump</b>-like, <b>NFS (Network File System)</b> server caching</p>
2004	<b>Sun Microsystems</b>	<b>Sun Java Enterprise System</b> Quality Assurance (JES QA), technical lead

#### Freelance Projects

Date	Description
2002-2003	<p><b>Captive</b>: The first free NTFS read/write filesystem for Linux OS Featured <a href="#">on slashdot</a>.</p> <p>Reverse engineered i386 MS-Windows XP kernel and ntfs.sys for the first binary compatible reimplementaion of the undocumented parts of MS-Windows kernel subsystems.</p> <p>Userland part of the project provides <b>GnomeVFS</b> interface to the MS-Windows kernel based MS-Windows filesystem isolated by the <b>CORBA/ORBit</b> interface.</p> <p>For development purposes I implemented also <b>TraceFS</b>: MS-Windows Kernel API Tracer as a native MS-Windows kernel driver for tracing of the NT Cache Manager.</p>
2005-2006	<b>MMS2</b> : Alternative center for cheaper mobile phones multimedia messages (MMS)
2004	<b>HotelGate</b> : Internet gateway for hotel guests

### Contractor Jobs

Date	Client	Description
2001-2002	Advanced Telecom Services	Early cell phone technologies: <b>MMS</b> framework development incl. <b>MMS Center debugging</b> (written using <b>Perl</b> , <b>XML</b> , <b>SOAP</b> ), Multimedia EMS support (my <b>GSM::SMS patch</b> ), BIP (Nokia CIMD2 alike) protocol client by extending ( <b>gnokii</b> ).
1999-2000	SuSE	<b>Partition Surprise</b> : superseded by <b>GParted</b> It was implemented by multiple people of our team. For development purposes I implemented <b>Int13Sniff</b> for bootability troubleshooting.
2001-2002	ReadyNote	Early cell phone technologies: debugged <b>gnokii</b> GSM software modem, ported <b>gnokii</b> and my <b>mdsms</b> to embedded <b>uClibc</b> .
1999-2003	JKLabs	Support of company systems, hotel installations, technical challenges like an i386 IRQ redirector, <b>Middleman port</b> (HTTP modifying proxy) or <b>ssht</b> (SSH tunnel).
2001	GTS	<b>tac_plus auth</b> : Cisco TACACS+ NAS host based authorization
1998-1999	Geoinvest	Early cell phone technologies – Siemens M1 GSM modem daemon for GPS, embedded devices – <b>332: AmigaOS</b> kernel port to embedded <b>Motorola 68332</b> .
1999	TENcom Trade	Early cell phone technologies – <b>mdsms: SMS</b> software for <b>Digital UNIX</b> .
1998	ELSA	<b>STEP</b> : A web database application. Fixed Free Software <b>PHP</b> and <b>PostgreSQL</b> .
1993-1996	Profes J&K	PC assembly and customer service
1993	Japhila	StampMan: Database application (MS-DOS: Pascal, plainTeX)

### Awards

1997	Bronze medal (not 3rd) in International Olympiad in Informatics, South Africa – Cape Town
1997	2nd in MO-P national contest – mathematics Olympiad, the programming category
1997	1st in International Competition in Programming
1996	4th in International Competition in Programming
1995	7th in Central European Olympiad in Informatics

### Technologies (mostly obsolete in 2021)

Platforms	Linux OS/i386/FreeBSD, MS-Windows i386 kernel, Amiga/680x0, MS-DOS, ZX Spectrum, PC-E500S
Languages	C++14, C, Perl, Python, bash/awk/sed..., Java <sub>≤1.0</sub> , Pascal, Basic, REXX, S-Lang, Foxplus, Prolog
Tools	GIT, cmake, SVN, autoconf, automake, libtool, m4, CVS, gettext, bison, flex, ld script
Assemblers	i386/x86_64, briefly aarch64/arm7/s390x/ppc64, Motorola 680x0, Zilog Z80, Intel 8051, MIPS R2/3000
WWW	HTML <sub>≤4.0</sub> , CSS, PHP, SQL (PostgreSQL, MySQL), JavaScript, CGI
Documentation	plainTeX, LaTeX, DocBook, DocBook Lite, XML/NS/Schema, gtk-doc, nroff, pod
Libraries	Gnome/GTK+/GLib, POSIX/BSD/SysV/threads/sockets, X11, OpenGL, NCurses, S-Lang, GnomeVFS, libxml, libneon, SVGALib, NIS, Qt, CORBA/ORBit, SOAP, WSDL, Sun RPC
Protocols/Formats	GSM SMS/PDU/Nokia Smart Messaging/EMS/WAP/WTP/WSP/MMSE/SMIL, WML/AMR/WSP/AMR, GSM ETSI/3GPP stds, IPv4, HTTP, SMTP RFC822/MIME, FTP, SSH, DHCP, POP3, IMAP4, NFS v2/v3, PPP/LCP/IPCP, ext2, FAT, AmigaFFS, ISO-9660