# Lev Babchenko

## Computer skills

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|---|---|---|---|
| Languages | C/C++, Python, Go, SQL, PgSQL, HTML, CSS, JavaScript, Perl, bash, Pascal, Ada, LaTeX | Operation Systems | GNU/Linux, Microsoft Windows, OS/2, Haiku OS, Novell NetWare |
| Databases | DB2 UDB (SQL, API, Low-Level), PostgreSQL, SQLite, MySQL, BerkleyDB, Borland DBE, Mongo | Tools/Libs | boost, stl, TurboVision; Qt, SDL, OpenGL, OpenCV; rsync, Subversion, CVS, Git; BugZilla, mantis, trac |
| Assemblers | BASM, MASM, TASM, Micro | Instruction Sets | x86, i8080A, PDP-11 |

## Work Experience

2011–2016 **Developer**, *3DIVI Company*, Chelyabinsk.
software development for Computer Vision Systems

2009–2011 **IT Deparmtent Manager**, *TG Telecom, Ltd.*, Chelyabinsk.
software development, problem solving, human resource auditing and management

2009–2009 **Senior Programmer**, *TG Telecom, Ltd.*, Chelyabinsk.
software development for distributed payment system

2003–2009 **Programmer**, *Applied Technologies, Ltd.*, Chelyabinsk.
development of system for data auditing/recovery for IBM DB2

1998–2003 **Senior Programmer**, *Business High School*, Chelyabinsk.
development of system for data management for IBM DB2

1996–1998 **Programmer**, *ZAO "Nedra"*, Chelyabinsk.
geographic information system development

1994–1996 **Programmer**, *Department of Security by Kurchatovsky District*, Chelyabinsk.
software development for security system

1993–1994 **Technical Director**, *Advertising Agency "VerteX"*, Chelyabinsk.
IT resources audit and management, graphics designing and rendering

1992–1992 **Programmer**, *Regional Narcological Dispensary*, Chelyabinsk.
development of expert system for internal enterprise usage

## Projects

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| 2015–2016 | **Seemetrix**, *3DIVI Company*, Chelyabinsk.<br>Audience Analytics and Interactivity for Digital Signage |
| 2012–2014 | **Sphinx**, *3DIVI Company*, Chelyabinsk.<br>Automated surveillance |
| 2011–2013 | **SkiRacer**, *3DIVI Company*, Chelyabinsk.<br>System for automated videorecording |
| 2010–2010 | **GDS**.<br>accounting system of transport and passenger flows – control and statistical part |
| 2010–2010 | **DataPump**.<br>Subsystem for asynchronous data loading |
| 2010–2011 | **TGPay2**, *TG Telecom, Ltd.*, Chelyabinsk.<br>distributed payment system, successor of TGPay |
| 2009–2011 | **Tracker.KCN**, *TG Telecom, Ltd.*, Chelyabinsk.<br>ERP&CRM System |
| 2009–2011 | **TGPay**, *TG Telecom, Ltd.*, Chelyabinsk.<br>distributed payment system |
| 2002–2009 | **Recovery Expert for Multiplatforms**, *Rocket Software, Inc.*.<br>Auditing and Recovery Toolset for DB2 |
| 1998–2002 | **QMF for Windows/Rocket Shuttle**, *Rocket Software, Inc.*.<br>Advanced Query/Report Viewer for DB2 |
| 1998–1998 | **TreeDB**, *Business High School*, Chelyabinsk.<br>Hierarhical Database |
| 1997–1998 | **NedraGIS**, *ZAO "Nedra"*, Chelyabinsk.<br>geographic information system |
| 1997–1998 | **GISImport**, *ZAO "Nedra"*, Chelyabinsk.<br>data convertor/importer for NedraGIS |
| 1997–1998 | **GISPic**, *ZAO "Nedra"*, Chelyabinsk.<br>semi-automatic manager/vectorizer for large bitmaps |
| 1995–1997 | **RCSS**, *Department of Security by Kurchatovsky District*, Chelyabinsk.<br>Software for control panel and server for centralized R/C security system |
| 1995–1997 | **NetBackup**, *Department of Security by Kurchatovsky District*, Chelyabinsk.<br>Network backup system |
| 1993–1995 | **ExpSys**, *Regional Narcological Dispensary*, Chelyabinsk.<br>Expert System for determining a set of presumptive diagnosis by incomplete set of analysis and surveys |
| 1992–1993 | **Scheduler**, *Technical College*, Chelyabinsk.<br>Menu-driven application for on-screen school schedule composing |