**IGOR GARSHIN**

*(Business & System Analyst, Architect, Certified Oracle specialist, Web-designer)*

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Personal Website [http://garshin.ru](http://garshin.ru/) (Rus.).

Photo - <http://garshin.ru/personal/_images/my-photo/ig-author.jpg> (2012 year).

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**SUMMARY: Certified Oracle Specialist**

*Experience:*

- 36 years – IT skills (since 1987), 32 years from them – database software development (over

20 projects - <http://garshin.ru/it/applications/index.html> ), 5 years – as business and system

analyst, 20 years – as web-designer.

- Configuration of Oracle Advanced Replication (Multimaster etc).

- Complete description of the factory business model.

*Customers:*

- “CPC-R” – Caspian Pipeline Consortium (Russia).

- “Transnefteproduct” (largest company of main oil product pipeline transport).

- “Transneft” (largest company of main oil pipeline transport).

- Supreme Arbitration Court of the Russian Federation.

- Kazakhstan National Bank.

**HARDWARE:** IBM PC and compatibles. SCADA S/3, OASyS.

**SOFTWARE:** *OS:* MS Windows 10; UNIX (Linux RedHat 6); Novell Netware 5; MS DOS; CPM, PDP-11.

*CASE:* Oracle Designer2000 6.1; Platinum BPwin 2.5; Powersoft PowerDesigner 6; Rational Rose, Sparx Enterprise Architect.

*Apps*: MS Office 2016; MS Project 2000; Lotus 1-2-3 5; MERANT PVCS 6; MS Visio 2000 Prof.;

*Tools:* American Cybernetics Multi-Edit 8; Macromedia HomeSite 5...

**DATABASES:** Oracle 7.3-12c; MS Access 2000 & VBA; Clipper S’97-5.2, FoxPro 2.6, Foxbase.

**DBA UTILITIES:** Oracle Enterprise Manager 1.6, Oracle Replication Manager 1.4; Platinum SQL-Station 3.2; SQL Navigator 3.1, PL/SQL Developer 12.

**CODING:** *SQL-servers*: Oracle SQL & PL/SQL.

*MS Windows*: MS Visual Studio.NET (VB, C#), JavaSCript, Delphi 5.

*MS DOS*: Clipper S’87-5.2, Turbo Basic.

*PDP-11 (DEC)*: Basic; Pascal, FORTRAN, Assembler.

**TECHNOLOGIES:** *System modeling:* IDEF0, IDEF1X, IDEF3, DFD. UML.

*Project management:* Oracle CDM, RUP.

*Data Access:* ADO, DAO, ODBC.

*Web-design:* HTML 4-5 & CSS 2-3.

*Reporting & charting*: Crystal Reports 10, Actuate 7.

**JOBS:**

**04/2002 - present *“Caspian Pipeline Consortium”, Technological Dep., Moscow, Russia (***[***http://www.cpc.ru/***](http://www.cpc.ru/) ***)***

1. **Project:** Customer Management System for Oil Shippers (*m:pro*, *Documentum 4i*, *Oracle 9.1*). **Positions:** *Analyst, Implementator, Supporter*.
2. **Project:** SCADA web-reports (*Oracle PL/SQL, C#*). **Position:** *Analyst, Programmer, UI/UX designer*.
3. **Project:** Developments on *Crystal Reports*: Passes, Bills of Lading, SCADA web charts.
4. **Project:** Oil Meter reports from Wonderware (*MS VB.NET, Oracle PL/SQL*). **Position:** *Programmer.*
5. **Project:** Dispatcher shifts accounting (*C#, Oracle PL/SQL*). **Position:** *Client & Server Programmer.*
6. **Project:** Reports generation for the MAXIMO warehouse system (*Actuate*, *Oracle PL/SQL*).
7. **Project:** Loading and processing billing accounts (Oracle SQL\*Loader).

**10/2000 – 04/2002 *Company “Terna”, Dep. “Special Information Systems”, Moscow, Russia (***[***www.terna.ru***](http://www.terna.ru/) ***)***

**1. Project:** Dispatching Control System “ASDU” for oil product transportation (*Borland C++ 5.02*, *Oracle Developer2000 6.0*, *Oracle EE 8.1.7 & SDO*).

**Customer:** “Transnefteproduct” Company (oil product pipeline transporter) and regional branches.

**Positions:** *Senior Analyst, Document Developer*.**Performed:**

* Planning and management for enterprise exploration and business analysis.
* Business and system analysis (*IDEF0, IDEF1X, IDEF3, DFD; Platinum BPwin 2.5; Oracle Designer2000 6.0*).
* Working out technical specifications for architecture, functions, data model, interface.
* Development of project documents structure; expertise for project documents.

**2. Project:** Global Geoinformation System “VECTOR” for oil pipeline engineering objects, repairs, incidents, damages with cartographic database and ecological monitoring (*Borland C++ 5.02*, *Oracle Developer2000 2.1, Oracle8(i) EE with Oracle Spatial Data Option*).**Customer:** “Transneft” Company (oil pipeline transport) and regional centers. **Positions:** *Senior Analyst, System Architect*. **Performed:**

* Enterprise inspection, business analysis, system analysis, system modeling (*IDEF0, IDEF1X, IDEF3, DFD; Platinum BPwin 2.5; Oracle Designer2000 2.1*).
* Working out concept and technical specifications for architecture, data model, interface, functions, data migration; installation plan and development plan.

**03/1999 - 08/2000 *Company “Neftegazsistemy” (Oil gas systems), Moscow, Russia (***[***www.ogs.gomel.by***](http://www.ogs.gomel.by/) ***)***

**Project:** Large-scale Monitoring System “SKUTOR” for oil pipeline using activities, repairs, incidents, damages. **Customer:** “Transneft” Company (oil pipeline transport) and 10 regional centers. **Positions:** *Database Administrator, Programmer, Technical Editor*. **Performed:**

* Generation and administration distributed database with advanced replication and removed access tuning (*Oracle 8.0.3-8.1.5* in OS *MS Windows NT 4*, *Novell Netware 5*, *Linux RedHat 6.0*). Over 200 scripts. Performing of the existing databases from *Access 8*to *Oracle8*.
* Database and SQL optimization (*Oracle8*). Client part optimization (*Access 8 VBA*).
* Instructing for the Oracle database administrators.
* Developing of the technical specifications for a WEB-project.
* Development of the service tools: “Register Manager” (*MS VC++ 6.0*), “Oracle Viewer” (*Borland Delphi 4.0*).

**11/1997 - 08/1998 *Company “Corvus Int.”, Moscow, Russia (***[***www.corvus-tg.com***](http://www.corvus-tg.com/) ***)***

**1. Project:** “Budget planning”.

**Customer:** Supreme Arbitration Court of the Russian Federation and 90 regional courts.

**Position:** *Programmer*.

**Performed:**

* Database development, coding, testing and installation of the program “Budget planning” (*Clipper 5.2*).

**2. Project:** Bank System “KUBAZH 3C”. Program module “Fixed Assets Accounting”.

**Customer:** National State Bank of the Kazakhstan Republic.

**Position:** *Programmer*.

**Performed:**

* Working out technical specifications.
* Database development, coding, testing and documenting of the program “Fixed Assets Accounting” (*Clipper 5.2*).
* Development of the system for data replication between regional banks and National Bank Processing Center (*Oracle 7.3*). The stored procedures – > 1000 lines, the triggers – > 300 lines.

**08/1994 - 08/1997 *Gas Service, town Kalininskaya (Krasnodar region, Russia)***

**Position:** *Programmer*.

**Performed:**

* Development, installation and maintaining of the programs “Salary”, “Gas realization”, “Liquefied gas accounting”, “Fixed Assets and gas mains accounting”, “Natural gas accounting”, “HR department”, “Shareholder meeting”, “Gas counter factors”, “Storehouse” (*Clipper S'87*).
* Development, implementation and supporting of the programs “Organizations payments”, “Tax cards”, “Salary”, “Allowances” and others (*Clipper 5.1*) for the cheese production factory.
* Development, installation and supporting of the programs “Medical service accounting” and “Payment entrusting” (*Clipper S'87*) for District Central Hospital.
* Development, installation and supporting of the programs “Land certificates” (*Clipper S'87*) for the District Committee of the Land Resources.
* Development and supporting of the application “Examination” for district schools (*MS Visual Basic 5.0 & MS Access 97*).

**08/1992 - 06/1994 *National Bank, Uralsk (Kazakhstan)***

**Position:** *Programmer*. **Performed:**

* Modification, commissioning and production support of the program “Bank Operating Day” (*FoxBASE 2.0*) in district bank departments.
* Installation of the telecommunication for the District Bank Departments (*Telix*).
* Development of the programs “Calculation of the consolidated balance”, “Entering of the bank documents”, “Everyday balance” (*Clipper S'87*).

**12/1990 - 06/1992 *Branch of the State Computer Committee, Uralsk, (Kazakhstan)***

**Position:** *Programmer*. **Performed:**

* Development of the program for plotter managing (*Pascal* / DEC).
* Development of the program “Salary” (*Basic* / DEC).
* Modification, commissioning & production support of the programs “Salary” (*Clipper S'87*), “Storehouse” (*FoxBASE 2.0*), “Personnel” (*FoxPro 1.01*), “Fixed Assets” (*Turbo Pascal 5.0*).
* Development of the program “Pensions and allowances accounting” (*Clipper S'87*).

**11/1989 - 11/1990 *Scientific and Research Institute “Granite” (Submarine shipbuilding), Uralsk (Kazakhstan)***

**Position:** *Programmer****.* Performed:** Development of the program for booting and testing of the On-board Multicomputer (*DEC Assembler*).

**09/1986 - 11/1989 *Scientific and Research Institute “Gidropribor” (Shipbuilding Hydrosystems), Uralsk (Kazakhstan)***

**Position:** *Programmer*. **Performed:**

* Development of the program “Submarine dynamics imitation” (*Pascal*, *FORTRAN* / DEC).
* Production support of the system program for the On-board Computer (*Pascal* / DEC).

**EDUCATION:**

**1981-1986** *Kazan State University*, Kazan city, Tatarstan, Russia,

*Physical department*. Speciality: *physicist*. The fulltime studies.

The excellent appreciated diploma (about the vibration combustion).

**2000**  *ORACLE CIS*, Moscow, Russia:

* The course “*Configure and Tune Oracle on HP/UX*”.
* The course “*Enterprise DBA Part 3: Network Administration*”.

**2003**

* The course “*Documentum 4i Management*” (*Documentum Servicies CIS*, Moscow).
* The course “*mpro Administration*” (*mpro IT* Consult, Moscow).
* The course “*Oracle: Programming on SQL, PL/SQL and Java*” (*Interface Ltd.*, Moscow).
* The course “*M2310: Developing MS ASP.NET Web Applications Using Visual Studio.Net*” (*Bauman’s Computer Education Centre*, Moscow).

**2004** *Interface Ltd.* , Moscow, Russia:

* The course “*Using the professional report generator Crystal Reports 10*”.

**2005** *Bauman’s Computer Education Centre “Specialist”*, Moscow, Russia:

* The course “*HTML & CSS foundation*”.
* The course “*Macromedia Flash MX. Foundation*”.
* The course “*Action Script programming. Experience*”.

**2008** *Edu)itonline. Guru Academy*, Moscow, Russia:

* Aaron Marcus’s seminar “*Interface oriented for user*”.

**2009** *Education Centre* “*Microinform*”, Moscow, Russia:

* The course “*M2310: Developing Web Applications Using Microsoft Visual Studio 2008*”.

*Bauman’s Computer Education Centre*, Moscow, Russia:

* The course “*AJAX. Web-design for Web 2.0*”.
* The course “*JavaScript. Level 1. Foundation*”.
* The course “*JavaScript. Level 2. Expanded possibiliies*”.
* The course “*Web-design. Corporative & Information websites modelling*”.

**2010** *Interface Ltd.*, Moscow, Russia:

* The course “*Using Sparx Enterprise Architect for a business modelling and system analysis*”.

**2011**

* The course “*Web-programming: DHTML, PHP, ASP и ASP.NET*” (*Microinform.*, Moscow).
* The course “*С#-programming using Microsoft .NET Framework 4*” (*Interface Ltd.*, Moscow).

**2012** *Specialists*, Moscow, Russia:

* The course “*M10265: Developing Data Access Solutions with Microsoft Visual Studio 2010*”.
* The course “*XML & XSLT: the modern technology data processing*”.

**2014**

* The course “*M20480: Programming using HTML5 with JavaScript и CSS3*” (*Specialist*).
* The course “*Programming on SQL and PL/SQL*” (*Interface Ltd.*, Moscow).

**2015**

* The course “М20486: Developing ASP.NET 4.5 MVC 4 Web Applications” (*Specialist*, Moscow).
* The course “O12cAPLS – Oracle Database 12c: Advanced PL/SQL” (*RDTech*, Moscow).

**2016**

* The course “O11gPT – Oracle Database 11g: Performance Tuning” (*RDTech*, Moscow).
* The course “Site usability. Designing web interfaces” (*Specialist*, Moscow).

**2017** *EC “Reasonable Business Technologies” (RDTech)*, Moscow, Russia.

* The course “O11gWHF – Oracle Database 11g: Data Warehousing Fundamentals”.
* The course “O12cSQLWH – Oracle Database 12c: Analytic SQL for Data Warehousing”.

**2018**

* The course “20483: Programming in C#” (*Specialist*, Moscow).
* “O12cFDS – Oracle DB 12c: Fundamentals for Developers and System Administrators” (*RDTech*).
* The course “O12cTSQL – Oracle SQL Tuning for Developers Workshop” (*RDTech*, Moscow).

**2019**

* The course “O12cDPU – Oracle DB 12c R2: Develop PL/SQL Program Units” (*RDTech*, Moscow).
* The course “10550A: Programming in Visual Basic with Microsoft Visual Studio” (*Specialist*).

**2020**

* The course “Infographics. Level 1” (*Specialist*, Moscow).
* The course “Linux (CentOS/Debian). Level 1. Administration and security fundamentals” (*Specialist*).

**ADDRESS:** Khvorostiansky street 15-257, Novorossiysk, Krasnodar region, Russia, 353925.

**LANGUAGES:** Russian (native), English (Intermediate). I study Korean too ( [vostok-nvrsk.ru](https://vostok-nvrsk.ru/) ).

**KNOWLEDGES:** Physics, Mathematics and Linguistics.

Contents of my diploma entered in a scientific article about the vibration combustion in jets.

**ADDITIONAL:** The foreign passport valid till 15.04.2024. The driving license is on hand.

**PERSONAL DATA:** Place and date of birth: Uralsk town (Kazakhstan), August 29, 1963. Russian.

Divorced. Two children: sun of 1990 year, daughter of 1993 year.

**HOBBIES: Sport:** Japanese sword fencing (*Tenshin Shoden Katori Shinto Ryu –* [http://katori.ru](http://katori.ru/)); skydiving; hatha yoga; mountain tourism and speleology; targeted travels.

**Scientific researches**: ancient history, linguistics, paleography, paleontology, biogenesis, geodynamics… **ORCID**: 0000-0001-8528-5604. **Google Shcolar ID**: jSSOLsAAAAJ.

**Web design**: [garshin.ru](http://garshin.ru/) (universal information); [lexicons.ru](http://lexicons.ru/) (foreign vocabularies), [slovorod.ru](http://slovorod.ru/) (Russian wordbooks); [proto-slavic.ru](http://proto-slavic.ru/) , [proto-indo-european.ru](http://proto-indo-european.ru/) , [proto-nostratic.ru](http://proto-nostratic.ru/) (proto-languages).