IGOR GARSHIN

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

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Personal Website http://garshin.ru (Rus.).
Photo - http://garshin.ru/personal/_images/my-photo/ig-author.jpg (2012 year).

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/)***

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)*** **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)*** **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)*** **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 u ASP.NET*" (*Microinform.*, Moscow).
- The course "*C#-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 u CSS3*" (*Specialist*).
- The course "*Programming on SQL and PL/SQL*" (*Interface Ltd.*, Moscow).

2015

- The course "M20486: 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*).

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LANGUAGES: Russian (native), English (Intermediate). I study Korean too (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); 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 (universal information); lexicons.ru (foreign vocabularies), slovorod.ru (Russian wordbooks); proto-slavic.ru , proto-indo-european.ru , proto-nostratic.ru (proto-languages).