**RESUME**

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# **PROFESSIONAL EXPERIENCE**

**Enterprise Control Systems Engineer & Software Developer, April 2001 – Present**

State-owned Unitary Enterprise “Production Association “Electrochemical Plant”, Russia

1. Requirements gathering, development of specifications, participation in design, development, implementation and maintenance of EPR Class computer-aided system modules: production scheduling and records, actual cost calculation, tax and enterprise performance fiscal effect calculation. Total number of users – 500 persons. To develop this ERP system “Olymp” I used the following aids:

* Microsoft SQL Server
* Crystal Reports 7.0/8.5/9.0
* Microsoft Visual Basic for Applications
* ERwin 4.0, BPwin 4.0/4.1
* Programming language “Olymp” similar to JAVA

1. Over 6 years of design and development BI solutions. Development of MS SQL Server 2005 Analysis Services cubes for analyzing information about inventory transactions and accounting transactions through the intranet (as client application used MS BI portal and MS Excel). Development packages MS SQL Server 2005 Integration Services for automatically filling data warehouse from different sources: SQL Server database, Fox Pro database, MS Excel file.
2. Participation in implementation and maintenance of computer-based budgeting system Cognos EP 7.3, for automation processes of planning and passing budget. I created and changed structure of data cubes, changed logic of their processing, turn access rights for users, turned data import from ERP system “Olymp”.
3. Development several utilities using c# & VB.Net for filling reports in MS Excel with data from ERP system.

# **Software Developer, December 2008 – April 2009 (part-time)**

State-owned Unitary Organization “Clinic Hospital №42” of State-owned medical-biology agency, Zelenogorsk, Russia.

Requirements specification and software development (VB.Net+Microsoft Access database) for accounting medical services system. Demo version of this software and its description you can download on <https://github.com/RBaskakov/UchetMU> (russian language only).This software had the following features:

1. Users can work with software via net.
2. Directory calculations of services and items of calculations.
3. Automatic substitution price of services from calculations directory to invoice.
4. Invoices list with specifications of services rendered.
5. More than 10 reports in Ms Excel.
6. Help system

Amount of documents in system on 1.10.2009 ~ 13 000. More than 90% communication with client was through phone and e-mail.

This project was developed using software:

* Microsoft Visual Studio 2005 (VB.Net)
* Microsoft Access 2003

**Software Developer, February 2007 – May 2007 (part-time)**

Company: Ashkon Technology LLC ([www.ashkonsoftware.com](http://www.ashkonsoftware.com) , USA)

Development of historical stock data export module from text format to MS Access database format and reverse (for data exchange between programs StockPredictor и Stock Quotes Pro). To develop this software I used the following aids:

* Microsoft Visual Basic 6.0

**Research Associate, April 2000 – April 2001**

Scientific Research Institute of Informatics and Control Processes affiliated to Krasnoyarsk State Technical University, Russia

Field of activities – advanced development of software for building constructions calculation. Demo version of this software and its description you can download on <https://github.com/RBaskakov/Stroy> (russian language only).

Results obtained:

* increased was the quantity of calculations on construction regulations and norms carried out through software (SW)
* added were the functions of graphical imaging of deformations and epures
* introduced was HASP apparatus protection

This project was developed using software:

* Microsoft Visual Basic 6.0
* Visual Basic for Application (Word)
* ActiveX, ADO, OLE, COM
* MS Front Page Editor
* HTML Help Work Shop, Win 32 API
* apparatus protection HASP API, HASP Envelope

The total time of the project development – 11 months

**Software Developer, May 1999 – October 1999 (part-time)**

Scientific Research Institute of Informatics and Control Processes affiliated to Krasnoyarsk State Technical University, Russia

Field of activities – development and launching SW for building constructions calculations. SW enabled to edit the database used, adjust an efficient assortment for constructions, reports generation in MS Word, on a special form. SW included a reference system and regulating documents’ database of HTML Help format.

This project was developed using software:

* Microsoft Visual Basic 6.0
* Visual Basic for Application (Word)
* ActiveX, ADO, ODBC, COM
* MS Access, MS Front Page Editor
* HTML Help Work Shop
* Win 32 API
* apparatus protection HASP API, HASP Envelope

The total time of the project development – 5 months

**Post-graduate**, **March 1998 – February 2000**

Automated Information Processing Department at Krasnoyarsk State Technical University, specialization 05.13.14. – Systems of Processing Information and Control

Investigated were:

* diverse methods of optimization the linear dynamic system
* developed an original method for a quiz decision through decompensation usage
* the methods developed were coded using Visual C++ and made it possible to optimize financial and economic enterprise planning within the framework of the deterministic model.

This software was developed using:

* Microsoft Visual C++
* ActiveX, COM
* MFC

The total time of the program development – 5 months

* developed were methods of optimization of the system considered in case of incomplete information due to its parameters. These methods were realized through software on Visual Basic using ODBC, ActiveX, VBA. The software enabled to design a pattern of initial data input into MS Excel, interrupt and re-new the testing, reports generation in MS Excel

This program was developed using software:

* Microsoft Visual Basic 5.0/6.0
* Visual Basic for Application (Excel)
* ActiveX, ADO, ODBC, COM
* MS Access, MS Front Page Editor
* HTML Help Work Shop

The total time of the program development – 7 months.

* the methods and software developed were applicated to resolve issues of drafting and predicting loading distribution in Co. Ltd. Krasnoyarskenergo. Obtained was the Certificate of Launch, 6 publications made on financial and economic drafting optimization through mathematical methods.

**Post-graduate, November 1996 – December 1997**

Institute of System Analyses (div. Russian Academy of Science) Moscow, Russia.

Specialization 05. 13. 10 – Management in Social and Economic Systems under scientific guidance of D.Sc., Prof. Rudashevsky V.D. Field of investigation – development and research of methods on enterprise dynamic functioning model linear optimization. The model took into account temporal delays and major inputs of enterprise operation: raw materials purchase, products output, storation, reproduction of funds, personnel activities, financial deals between the enterprise and debtors, creditors, fiscal authorities and diverse marketing strategies were tried.

## GENERAL PROFESSIONAL EXPERTISE AND SKILLS

* Microsoft Visual Studio (VB.Net, c#)
* Microsoft SQL Server (including Integration and Analysis Services)
* Microsoft BI technologies
* Microsoft Visual Basic, Visual Basic for Application (Word, Excel)
* ActiveX, ADO, ODBC, OLE, COM
* MS Access, MS Front Page, HTML Help Work Shop
* Crystal Reports
* Apparatus protection HASP API, HASP Envelope
* Erwin 4.0, BPwin 4.0
* Win 32 API
* Microsoft Visual C++, MFC
* Cognos EP 7.3

Programming languages: Visual Basic, Visual Basic for Application, VB.NET, Transact SQL, HTML, JavaScript , Visual C++

## EDUCATION

**Moscow Institute of Physics And Technology, M.Sc 1996.** Diploma in Applied Mathematics and Physics, Moscow, Russia. Qualified as an Engineer – Mathematician, specialization: stochastic methods, optimization methods ([<https://mipt.ru/dcam/students/graduate/years/1996.php>](https://mipt.ru/dcam/students/graduate/years/1996.php) - list of institute graduates on russian).

**Krasnoyarsk State Technical University, Ph.D. 2000.** Field of research: Statistical Methods of Linear Dynamic Systems with Discrete Controlling in the Tasks of Enterprise Activities Planning. Specialization: Systems of Information and Control Processes, under scientific guidance of KSTU, Chair of Automated Information Processing, D.Sc., Prof. Lapko A.V.

## ADDITIONAL INFORMATION

Russian citizenship.