

# Anatoly D. Goldstein

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## OBJECTIVE

A challenging position in software solution architecture including OOP, dB and web development

## SUMMARY OF EXPERIENCE

*Designed and developed various software including: Relational database applications including stored procedures, Graphical User Interfaces, an ASP.Net/C# website, web services, ActiveX components, An Intranet, a db application for playing video of vibrating vocal folds.*

*Experience w/SQL Server 2008/2005/2000/7, C#, ASP.Net, XHTML, VB6 ActiveX Components, Object-Oriented Programming, OLE, ADO, Automating MS Office Applications, ASP, HTML4, CSS, Crystal Reports, VBScript, JavaScript, MS Visual FoxPro 5/6, IIS, MTS, MS FrontPage 2000.*

*Programming Languages: SQL, C#, Visual Basic, Visual Basic for Applications, FORTRAN, C.*

*Operating Systems: MS Windows 7/XP/2000/9x/NT, 3.x; MS-DOS, UNIX, MPE-3000.*

*Networks: Administered Microsoft Windows 2003/2000/NT Server networks.*

## EXPERIENCE

Computer Systems Coordinator II

July 2004 – Present

*Massachusetts General Hospital (MGH), Boston, MA*

- ◇ Designed, developed and currently testing a research website and related database including stored procedures for APM International Data-Sharing Project (Microsoft ASP.Net 3.5/C#/Web Services/SQL Server 2008) available for APM researchers at <http://apm.partners.org>.
- ◇ Designed, developed, implemented, and supported the following n-tier applications (ComponentOne Studio/ VB6/ VBA/MS Word Automation/MS Excel Automation/Microsoft SQL Server 2005/Windows XP SP3):
  - An interactive Voice Forms Application, consisting of a GUI including 8 data entry forms, a Database on Voice Disorders and a Generator of Patient Reports in MS Word format
  - Avastin Clinical Trial Data Entry & Auditing Application including 18 interactive forms complying with FDA requirements, a relational database, and a Report Generator used to generate reports for the ongoing Avastin Clinical Trial in a form of multi-page Microsoft Excel Workbook.
  - StrobeViewer application allowing to find in KayPentax database and play strobe videos for about 29,000 exams done at MGH and MEEI for authorized patients. StrobeViewer represents an architectural solution implementing a relatively small ComponentOne/VB6 program working with vendor's database (KayPentax/SQL Server 2005), and automating KayPentax Video Viewer and VLC Media Player that allows StrobeViewer to play videos recorded in a variety of formats (AVI, MPEG, DPS, DVM) and currently distributed over nine two-terabyte volumes on MGH/Partners network.
  - Import-IDX and Import-PATCOM applications running automatically as Windows 2003 Server Scheduled Jobs which import respectively appointment and surgery schedules for patients of MGH Voice Center and record import status information in log files.
  - Developed & supported human studies and op. notes database applications (VB6, Visual FoxPro) serving for data entry, storage and retrieval on request of data on patient diagnoses and surgeries.
  - Performed numerous queries on the databases on voice disorders to obtain lists of patient records which met different criteria corresponding to research projects running at the MGH Voice Center (Microsoft SQL Server 2005/2008, Visual FoxPro, FoxPro)

Senior Programmer/Engineer

August 1997 – June 2004

*Massachusetts Eye & Ear Infirmary, Boston, MA*

- ◇ Developed a Report Generator/Converter routinely used in the Voice lab to generate patient case history reports with graphs in MS Word format from the database. The Converter was used for a onetime automatic conversion of about 3,000 patient reports accumulated at the Voice lab since 1993 from WordPerfect 5.1 format with linked bitmap graphs to MS Word 97 with linked graphs in GIF format (Visual Basic 6, Visual Basic for Applications, OLE Automation, ADO, Visual FoxPro).
- ◇ Developed Voice & Speech Lab Intranet that runs under IIS4/MTS and includes the following interactive applications running on client PCs in WEB browser:
  - Patient/Visit Information Retrieval application allows a user to search for patient/visit information in the patient case history database. The application consists of a set of HTML/CSS and ASP pages, and a VB6 ActiveX DLL accessing a FoxPro database through ADO/ODBC.
  - Diagnosis/Referral Form, allowing to enter detailed diagnostic information on patients into SQL Server 7 database, retrieve it from the dB and edit it /ASP, ADO, JavaScript, VBScript, SQL Server 7 stored procedures, ActiveX DLL (a VB6 COM component) placed in MTS package/.
  - Generate patient report in MS Word format from dB (VB6/VBA ActiveX DLL, ADO, SQL Server 7, ASP).
- ◇ Performed SQL Server 7 dB Administration including dB design and creation, backups and restores.
- ◇ Posted on lab's homepage lecture course (MS PowerPoint presentations, MS Word documents) delivered at MEEI to MGH/IHP students by the MEEI Speech Language Pathologists using FrontPage 2000 & MS Office 97.

dB Analyst/Network Administrator

August 1996 – July 1997

*Massachusetts Eye & Ear Infirmary, Boston, MA*

- ◇ Have supported & upgraded Voice & Speech Case History Database Application (FoxPro, VB, Crystal Reports, ADO), including development and maintenance of dB queries and reports, data entry screens and forms, as well as coding statistical data processing part of the application.
- ◇ Ported two sound file conversion utilities from C/UNIX to MS Visual C.
- ◇ Administered a Windows NT Server network including remote access, network printing (via TCP IP), MS Outlook email, and user support.

Programmer/Analyst

January 1995 - July 1996

*CB Commercial Torto Wheaton Research, Boston, MA*

- ◇ Developed and supported an object-oriented relational database application including GUI for handling real estate data and wrote the system and user documentation (Visual FoxPro, FoxPro for Windows, MS Fortran, Clarion).
- ◇ Developed a Voucher Matching program that allowed to match data collected by real estate brokers to the Centralized dB on Office & Industrial Real Estate space available in 54 major metropolitan areas all over the U.S. (MS FoxPro).

Senior Programmer/Analyst

1991-1994

*SIEVERT-SYSTEMS, Information Research Company, Moscow, Russia*

- ◇ Developed a number of relational databases and associated database access routines on consequences of Chernobyl accident (FoxPro 2.0 for DOS).

Senior Programmer/Analyst

1988-1991

*National Administration of Metallurgy, Moscow, Russia*

- ◇ Designed and developed a number of multi-user relational databases & associated database access routines (FoxPro, dBASE IV, SQL) for inventory and marketing applications.

- Research Scientist, Programmer/Analyst 1976-1988  
*National Academy of Sciences, Moscow, Russia*
- ◇ Developed and implemented a relational chemical database application user interface that found application in academic and industrial labs of Europe and US including *Dupont* (Fortran, MS-DOS).
  - ◇ Developed and implemented software for experimental data acquisition, modeling and statistical analysis (Fortran/Image/HP3000) based on robust regression and statistical simulation that found application in *National Institute of Standards & Technology, USA*.

### **EDUCATION (including Seminars & Conferences attended)**

- 2009 Developer Day, Microsoft New England R&D Center, One Memorial Drive, Cambridge, MA
- 2008 A poster presentation on "Toward a Science of Consciousness", Tucson, AZ. April 8-12, 2008.
- 2007 Microsoft Developer Days, Boston, MA.
- 2007 A talk at the "Quantum Mind" symposium, Univ. of Salzburg, Salzburg, Austria. July 17-20, 2007.
- 2006 A poster presentation on "Toward a Science of Consciousness", Tucson, AZ. April 4- 8, 2006.
- 2005 Microsoft Developer Days, Boston, MA.
- 2002 Microsoft Visual Studio .NET Training Tour by Pinnacle, June 6-7, Boston, MA.
- 1999 Microsoft Technet Annual Symposium 99 & a Post Conference 1 day Seminar on "*Creating an e-Commerce Solution Using Microsoft Site Server Commerce Edition*", Boston, MA
- 1998 Designing Distributed Applications using MS Visual Studio, BU, Boston, MA
- 1994 UNIX Shell Programming, Lowell Institute School, MIT, Boston, MA
- 1992 A talk at the Conference on Mitigation of Consequences of Chernobyl Accident, Bryansk, Russia.
- 1986 School-Seminar on Physical Chemistry, Moscow Region, Russia.
  
- 1985 PhD in Physical Chemistry, Moscow University, Moscow, Russia  
*Thesis: Computer Solution of Thermo-chemical Data Networks.*
- 1985 A poster at the Fifth All-Union Seminar on the Application of Math Methods to the Description & Study of Physicochemical Equilibrium, Novosibirsk, Russia, Jan 28-Feb 2, 1985.
- 1982 A poster at the Fourth All-Union Seminar on the Application of Math Methods to the Description & Study of Physicochemical Equilibrium, Irkutsk, Russia, October 26-30, 1982.
- 1981 Meeting on Remote Access to IVTANTHERMO Thermodynamic Database, Institute of Inorganic Chem., Rus. Academy of Sci. Siberian Branch, Novosibirsk, Russia. December, 1981.
- 1978 The 1<sup>st</sup> All Union Conference on Technology of Computer Programming, Kiev, Ukraine.
  
- 1976 MS in Chemistry, Moscow University, Moscow, Russia
- 1976 Completed an Advanced Course in Math, Moscow University, Moscow, Russia

### **PERSONAL**

U.S. citizen since January 2000.

### **REFERENCES & PUBLICATIONS**

Available upon request.