

David S. Maibor

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RETIRED as of Jan. 1, 2026

QUALIFICATIONS SUMMARY

Full Stack Developer specializing in solving business problems by developing easy-to-use ASP .NET, C#, Visual Basic (VB).NET, SQL Server, Oracle, MS Access, VBScript, Visual Basic for Applications (VBA), complex reports, and other applications (both web-enabled and client-server). Outstanding ability to assimilate into new business environments, establish excellent working relationships, effectively communicate both technical and non-technical issues to all project stakeholders including senior management, and quickly make significant technical contributions. Extensive experience as well in consulting, professional instruction, business analysis, expert witness testimony and project management.

TECHNICAL SKILLS

Programming Languages: C# (OOP), VB.NET (OOP), JavaScript, JQuery, HTML, ASP.Net, SQL, TSQL (Stored Procedures and Triggers), Visual Basic (VB) 6.0/5.0, VBscript, Visual Basic for Applications (VBA), Flash 8 ActionScript

Data Base Systems: SQL Server 2016/2012/2008/2005/2000/7.0/6.5, Oracle 9i, 8i, MS Access 2007/2003/2000/97, Filemaker Pro, Reflex

Operating Systems: Windows – 10 / 8 / 7 / 2003 Server / 2000 / XP / Vista / NT / 98 / 95, Android Version 5.1.1

Misc. Products: Visual Studio WPF/MVC/API 2/Unit Test projects, Bootstrap, SQL Server Reporting Services (SSRS), SQL Server Integration Services (SSIS), Entity Framework, LINQ, Extraction, Transfer, and Loading (ETL), Team Foundation Server (TFS), TOAD, *FullyKioskBrowser*, itextsharp, GemBox Spreadsheet, CoreFTP, ChillKat, WinSQL, Crystal Reports, Remote Desktop, VNCViewer, 837 Claim Files, PowerPoint, Excel, Outlook, *Flash8 Professional*, Visual Source Safe, Remote Desktop, HealthWare, GE Fanuc Proficiency, Rockwell Software Maintenance Automation Control Center (RSMACC) source control, Business Objects, Kintera Web-based fundraising system, Brooktrout Software *ShowNTell*, DreamWeaver, Scopus (defect DB), Lotus Notes, PCLINT (code analyzer), InstallShield Express, PVCS (source control), Novell Groupwise, bar code reading and printing using Code 128 fonts.

PROFESSIONAL EXPERIENCE

Secretary of the Commonwealth of Massachusetts

5/19-12/31/25

Senior Software Programmer

- Lead developer maintaining and re-architecting Publications and Regulations legacy code written as web forms in Visual Studio over the past 15-20 yr. Programs provide information and allow submissions from the public, and allow internal Administrators to review, update, and publish information every week. Technology utilized includes VS2013, VS2022, web forms, MVC, Win Forms, Entity Framework, ADO.net, TFS, Fortify code analysis, SQL Server, IIS, Group Managed Service Account (GMSA) permissions for DB connections & folder access, SSRS, Crystal Reports, & ABCpdf.
- Part of a three-person team to transition to a new payment vendor, for processing credit card and e-check payments from the public. Technology utilized includes VS2013, SQL Server, web forms.
- Monitor Election-related programs to ensure the public can register to vote, apply for mail-in ballot, track ballot submitted, find where to submit early vote, and vote in person on Election day.

Diversified Automotive Inc. Charlestown, MA
Senior Software Programmer

9/16-5/19

- Converted the Car Export program written in OMNIS to a Visual Studio, C#, Windows Forms project. The Export program received used cars delivered to the facility, assigned them to a voyage, prepared barcode labels for the vehicles and paperwork, recorded vehicle status changes up to 'Shipped', and generated various reports, including Invoices. The technology utilized included VS2015, C#, SQL Server 2016, SQL Server Reporting Services (SSRS), API 2 web services (for emails, zip code lookup, VIN decoding), and ADO.net.
- Designed and implemented C# MVC mobile and Android tablet web applications to allow drivers to make dorm reservations from their smart phones for the current day, and log in at each dorm on an Android tablet to make/confirm/cancel the reservation. Admin users were able to view and control all dorm reservations. The technology utilized included VS 2015, C#, MVC, Bootstrap, Entity Framework, SQL Server 2016, JQuery, javascript, and *FullyKioskBrowser* to lock dorm tablets.
- Part of a small team to convert a large Car Transport program written in OMNIS to a Visual Studio, C#, WPF project. The Transport program received orders from OEMS (e.g. Toyota, Subaru) to pick up vehicles and deliver to dealers in the Northeast. Hundreds of forms had to be redesigned to WPF Xaml files, associated View Models, and an overall object-oriented design. SSRS used for on-demand and auto-generated reports. API2 web services created for database operations.

Health Plans Inc/Harvard Pilgrim Health Care (HPHC), Westborough, MA
Senior Software Programmer

6/08-8/16

- Part of a small team to expand an existing SQL SVR database application to report on applying cash payments to outstanding premium bills and adjustments. In this application Mr. Maibor designed a new SQL SVR CashApplicationDetail table and wrote several new VB.Net Windows and Web applications to load the table with new billing and payment info, process the data in the table to add new cash application rows, and generate Excel and pdf reports for Health Plans Inc. and HPHC. The technology utilized included SQL Server Integration Services (SSIS), VS 2005 VB.Net, SQL Server Reporting Services (SSRS), Excel spreadsheet generation, and SQL SVR 2005 (table design, stored procedures, data import/export/ backup, etc).
- Designed and implemented a VB.Net web application to automatically load data and generate COBRA letters for terminated employees of Health Plans' insurance customers. The COBRA letters incorporated eligibility requirements for the U.S. Government's 2009 Economic Stimulus act, and included complex data investigation. The technology utilized included VS 2010/2005 VB.Net, SQL Server 2012/2005, SQL Server Reporting Services (SSRS), JQuery, javascript, and itextsharp to merge .pdf files into a single file.
- Designed and implemented an MS Access program and VB.Net windows application to allow nurses to collect health-information from individuals on-site at client's facilities using small Notebook computers and transfer information to a central SQL Server DB with the windows application. Created individual print-out reports so that nurses could easily print out and hand the health information to each participating member. Created a summary report for the client. The technology utilized included MS Access 2007, SQL Server 2005, SSRS.
- Designed and implemented an Enterprise VB.Net web application to automate the creation and update of client information. The program included designing and implementing web-based forms to collect and update over 1700 items of information for each client; as well as design and implement the SQL Server 2012/2005 database to store all the information. The technology utilized included VS 2010/2005 VB.Net, SQL Server 2012/2005, SSRS, MS Access 2007, JQuery, AJAX, and javascript.
- Led the IS Automation effort to create web-based access to internal programs and allow end-users to run programs themselves, rather than make frequent requests on the IS dept.

Delphi Automotive/CSC, Brookhaven, MS
Senior Software Programmer

2/08 – 6/08

- Part of a small team to re-design, rewrite, and redeploy existing VB.Net 2003 windows application, VB.Net 2003 web services, VB6 windows application, and VB6 services for interfacing with a new SAP implementation and existing Oracle 9i and Access 2003 databases. The Delphi Automotive factory

manufactures bussed electrical components (BECs) and liquid silicone rubber (LSR) items for automotive customers (GM, Daimler Benz, etc.) They have an internally-developed manufacturing execution system (MES) written over the years primarily in VB.Net and VB6 programs. Their MES system stores manufacturing data in Oracle 9i databases/MS Access 2003 databases/and text files; it inputs information from scanned 2D labels, web-based programs, and windows applications, and generates new Zebra printer bar code labels for placement on shipping containers. To successfully implement SAP in this environment, Mr. Maibor revised the BEC Scanner program placing SAP-generated information onto shipping labels, and notifying SAP, via a .Net web service, of finished goods production and storage location movement. Mr. Maibor also revised the LSR Packout system (weighing finished LSR items to establish count of manufactured items, printing Zebra bar code shipping labels, notifying SAP of finished goods production and storage location movement) and helped design a new LSR test environment.

Wyeth BioPharma, Andover, MA
Senior Software Programmer

5/05 – 12/07

- Part of a small team to design, program, and peer review a web-based reporting system, MESRPT, to access Oracle 9i databases using Visual Studio .Net 2003 (VB.Net, ADO.Net), Crystal Reports, Visual Source Safe, Secure Desktop, and TOAD. Part of a small team to maintain the web-based reporting system, BATCH REPORTING, to access Oracle 9i databases using Visual Studio .Net 2005 (VB.Net, ADO.Net), Crystal Reports, Visual Source Safe, Secure Desktop, and TOAD. System administrator for GE Fanuc *Proficy Portal* implementation (commercial, web-based data mining tool to allow users to access data and create ad-hoc data reports). Created and reviewed SQL scripts to update Oracle databases. Authored new SOPs and System Access Forms to become a user of and administer new systems in a pharmaceutical GMP environment. Trained people on use of new SOPs. Authored User Requirement Specification, Functional Requirements Specification, Design Specifications, Unit Test Plans, Change Management Test Plans for the new MESRPT system. Presented software changes to the Software Change Control Committee. Authored Engineering Procedures for moving updated code to production systems. Executed test plans to verify updated code. Provided help desk technical support to manufacturing operations using the POMS MCAS and MES systems. Coordinated with key departments throughout the enterprise including Manufacturing, Development, Product Services, IS Dept., Quality Assurance Validation (QAV), Engineering Validation, Quality Assurance Operations (QA Ops), Training, and Documentation.

Dominique Boutaud, Professional Artist, Dedham, MA (Part time)
Senior Software Programmer

03/07 – 06/08

- Designed, Programmed, and delivered a new web site using Flash 8 Professional with ActionScript and XML file. Designed, programmed, and delivered a new Microsoft C#.Net Web Service to email contact information entered by site visitors. Designed, programmed, and delivered a new Microsoft C#.Net Web application to allow Ms. Boutaud, who has no web-development skills, to update her web site with images of her paintings.

Robert Ruscansky Photography, Inc., (Part time)
Senior Software Programmer

02/07 – 01/15

- Designed, Programmed, and delivered a new web site using Flash 8 Professional with ActionScript and XML file. Designed, programmed, and delivered a new Microsoft C#.Net Web Service to email contact information entered by site visitors. Designed, programmed, and delivered a new Microsoft C#.Net Web application to allow administrators in the photography studio, who have no web-development skills, to update their web site with images. (See <http://www.ruscansky-photography.com/>.)

Temple Aliyah, Needham, MA (Part time)
Senior Software Programmer

05/06 – 05/12

- Designed, Programmed, and delivered Web-based scheduling system, *HHAssignments*, for assignment of High Holiday honors to over 225 members. HHAssignments uses JavaScript, Visual Studio.Net 2003, C#, ASP.Net, Forms Authentication, SQL Server 2000, & Crystal Reports.Net. This web-secure system allows Administrators to assign honors to over 400 members via the web, notify members via email of their assignments, print out reports of all assignments, and allow members to access their assigned honor(s) and accept, decline, or request a modification for each honor.

StarTran Software, Needham, MA (Part time)

05/05 – 06/05

Senior Software Programmer

- Consult on design and programming for Winforms transportation scheduling program written in C# utilizing SQL Server 2000.

Staples, Inc., Framingham, MA

11/04 – 1/05

Senior Software Programmer

- Added new functionality to the existing SKU Central MS Access database system. The SKU Central DB system contained product-related information on over 150,000 product SKUs. Mr. Maibor added the ability to create, maintain, and prepare Copy Attribute records holding key information related to paper, photo paper, ink, and toner products. Mr. Maibor prepared SQL queries so that Staples' *Interwoven* product could easily extract information from the Access tables and present it to appropriate management for authorization. Mr. Maibor also designed and implemented an administrative program, allowing users to create new Copy Attribute templates to collect information related to Shredders, All-in-one machines, Chairs, and other Staples products.

South Shore Hospital, Weymouth, MA

7/04 – 9/04

Senior Software Programmer

- Evaluated, re-programmed, and helped to migrate five large MS Access database systems providing core functionality to the hospital's HR dept. The hospital intended to dismantle all Access systems and to migrate the functionality to the existing Lotus Notes and MediTech systems. As an *expert* MS Access designer and programmer, Mr. Maibor first thoroughly analyzed the existing systems, and conducted 25 interviews with the user community. He then *stabilized* the existing Access system to help HR users perform their daily duties. He also worked closely with a senior MediTech specialist to reproduce the same or similar functionality in MediTech..

RAM Accounting, Dedham, MA (Part time)

10/03 – Present

Senior Software Programmer

- **Designed, Programmed, and delivered** Web-based communication system using Javascript, Visual Studio.Net, VB.Net, C#, ASP.Net, & API 2 Web service. This system allows clients to Log onto RAM's web's site and schedule appointments with an accountant. The system automatically sends emails 2 days and one week in advance reminding clients of their upcoming appointments. For RAM Accounting staff, the system includes a Windows executable ADMIN program allowing accountants to view and modify all appointments with a Month-At-A-Glance form, as well as Add/Modify/Delete client info. The system was originally written with VS 2003 in VB.net, using an MS Access DB, Crystal Reports.Net, and web services. It has since been rewritten and updated in C#.

The Jimmy Fund/Dana Farber Cancer Institute, Brookline, MA

08/03 – 1/04

Senior Software Programmer/Contractor

- Designed, Programmed, and delivered utility programs written in VBScript and VBA, using MS Access, to create a Batch Upload process to load thousands of Donation records into Kintera's web-based fundraising database for different charitable events. Mr. Maibor's Batch Upload programs enabled Jimmy Fund staff to easily create and batch upload over 30,000 Donation records, totaling millions of dollars, for The Dana-Farber Marathon Challenge (Boston Marathon), The Jimmy Fund Boston Marathon Walk, and the Boston Half Marathon. Mr. Maibor also designed, programmed, and delivered an MS Access DB program to implement an IT Request system for over 100 users. Created and viewed various reports using Business Objects.

Genzyme Corp., Cambridge, MA

3/03-6/03; 1/04- 5/04

Senior Software Programmer/Contractor

- Designed, Programmed, and delivered extensive reporting capability in MS Access 2002 to support a team of Case Management Specialists, Business Analysts, managers, sales people, physicians, social workers, dieticians, hospitals, clinics, and dialysis centers. The Report Program connected to data in an Oracle database, performed very complex data analysis, and provided powerful reporting capability to Users at the push of a button within two minutes, if not seconds! The capability Mr. Maibor provided previously took 2-3 months for

a single report, if available at all! Designed queries and stored procedures for Oracle implementation to enhance performance. Reviewed and fine-tuned queries and stored procedures in Oracle using TOAD.

EMI Strategic Marketing (EMI)/Sovereign Bank, Needham, MA (Part time)

11/02 – 3/03

Senior Software Programmer

- Designed, Programmed, and delivered a customer service implementation database program. This program allows EMI's commercial bank customer, Sovereign Bank, to create, track, and forward for implementation new commercial customers and their needs for commercial bank services. This program currently implements a client-server architecture, uses MS Access 2000/2002, and runs under Windows 98, Windows 2000, and Windows XP. In the future, it may be converted to a Web-based architecture using ASP.Net.

OneBeacon Insurance Company, Foxboro, MA

(Previously CGU)

7/00 – 8/02

Senior Software Programmer/Contractor

- Designed, Programmed, and delivered the Project Expense and Reporting System (PERS); budget and planning database programs used by over 50 IT managers to submit their multi-million dollar 2001/2002/2003 budgets. The program used MS Access 97/2000/2002 for "front-end" forms to input data and review records, and to generate reports. The data was stored in SQL Server 7.0/2000 databases. Designed the entire client-server architecture; both front-end applications (User interfaces, reports, login security, auto-update features, etc.), and back-end databases (tables, views, stored procedures, triggers). Tuned entire system to maximize user-friendliness and SQL Server database availability for multiple simultaneous users. Created over 100 different reports for Budget Analysts to review various aspects of the budget. Prepared corporate feeds for input of the IT budget into the AS400 host system. Worked with end users to revise the design and functionality of the program. Wrote thousands of lines of VBA code, SQL Server triggers, SQL Server stored procedures, and DOS batch files.

Mass. Financial Services (MFS), Boston, MA

6/00 - 7/00

Senior Software Programmer/Contractor

- Programmed, debugged, and delivered upgraded MS Access 97 programs related to Portfolio Management and personnel-related data base management systems. Revised existing data models. Upgraded existing programs to extract data from Oracle DB views using ODBC connections. Developed new tables and queries and wrote new VBA code. Revised existing forms and reports. Supported user test and roll-out of new DB programs for the user community. Prepared extensive documentation for each modification made.

Brooktrout Software, Southborough, MA

1/00 - 6/00

Senior Software Programmer/Contractor

- Programmed, debugged, and delivered upgraded VB application from VB5 to VB6, Crystal Reports 4.6 to 7.0. The product was a front end to accessing and modifying MS Access 97 DB used in conjunction with a complex Brooktrout Software Interactive Voice Response (IVR) application developed under Brooktrout Software's *ShowNTel* software development environment. This upgrade was for one of Brooktrout Software's largest customers.
- Programmed, debugged, and delivered an upgraded IVR application, modifying functionality for one of Brooktrout Software's largest customers. The IVR application interfaced with MS Access 97 DB, SQL SVR 6.5 DB, and AS400 host machine utilizing *Attachmate* software.
- Upgraded the software release program using *InstallShield Express 2.12*, Powerquest PDK Software, and EasyCD.
- Controlled all project-related files (source code, documentation, help files, etc.) using PVCS.
- Consulted on other projects providing technical assistance on VB techniques, DB issues, Crystal Reports, and creating release software products using *InstallShield Express*.

ACT Electronics, Hudson, MA (Part time)

11/99 – 6/05

Senior Business Analyst/Senior Software Programmer/Contractor

- Designed, implemented, and deployed: Fuji FlexA Setup Sheet Program (VB.NET), Tool Management DB Program (MS Access), Packer Bar Code Program (MS Access). Updated Fujicam Loading Program (VB 6.0)
- Worked with a senior manager to design the Fuji FlexA Setup Sheet Program. This program reads XML files exported from the Fuji FlexA CAD/CAM system and prints out machine setup sheets using MS Excel and MS Word. This program was written entirely in VB.NET using Visual Studio .NET.
- Worked with end users and management to design and implement a Bar Code Summary Report and Database program. The program was written in MS Access 97 and allowed packers to scan in bar code numbers for all PC boards packed and ready for shipment to a customer. The program then output a Bar Code Summary Report listing the bar codes of all PC boards in the shipment, which the packer included in the shipment box. The program also allowed managers to print various reports related to shipments, and Administrators to add/modify/delete customers or users. The system utilized password-protection entry and printed bar codes using Code 128 fonts.
- Worked with end users to articulate and capture requirements for a multi-user work management software product. The product allowed various departments throughout the enterprise (Project Management, Cost Accounting, Production, Advanced Manufacturing Engineering, Surface Mount Technology, Wave Fixture Engineering, Through Hole Punch Engineering) to enter and track printed circuit board manufacturing information for various customers.
- Ran prototype demonstrations for end users to get the “look and feel” of the evolving end product, and capture user feedback.
- Programmed, debugged, and delivered the Tool Management program, written in MS Access 97 and 4000-5,000 VBA lines of code. For the program, designed and implemented screen displays and layouts, complex underlying table structures and relationships, SQL queries, detailed reports, security features, automated data entry, and extensive time-saving features. The time to generate a Request For Quote from authorized vendors was reduced from 30-45 minutes, down to seconds! The lead engineer overseeing the project estimated that the automated program would pay for itself in time-savings in three weeks!
- Mentored the in-house engineer designated to be the database administrator and maintainer. Taught the engineer the requirements-design-code-test-deployments process, reviewed all the underlying VBA code, reviewed the security features built into the product (user groups, passwords, adding/deleting new members, etc.), and reviewed the architecture, set up to provide multiple access to key tables while preserving the data integrity of each record addition/modification/deletion. Environment: Windows 95/2000, MS Access 97/2002, Novell network, Visual Basic for Applications (VBA), VB 6.0.

Education

M.S. Computer Science, Boston University, Boston, MA