Robert Gelb

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Summary of Qualifications

- Software developer & technical leader for 14 years. Led and set direction for teams of up to 10.
- Experienced software architect, designer & engineer. Shipped numerous products.
- Proven to be reliable. Consistently finish projects and ship products on time.
- Industry expert and innovator. Code generators, web standards, mapping software, etc…
- Communicator. Taught fellow developers at various times on subjects such as .NET/C#/VB/COM /etc…

Primary Skills

C#/.NET

- 10 years of C# and .NET experience. Delivered several high profile applications.
- High-performance patent-pending scheduling application. Utilizes Windows Services, SQL Server, Sockets, .NET 3.5 and C#.
- Large suite of applications for end to end management of a radio station market written in mostly in C# and .NET 1.1/2.0/3.5.
- Customer relationship management and sales force automation solution. Sellers could quickly create competitive client proposals with a built-in workflow approval process, and manage their accounts anywhere. C# and .NET 2.0/3.5.
- Electronic document system that allows radio stations to oversee and manage public inspection files from a central location. Uses C#, PHP and Apache.
- Expert knowledge in smart client development.
- Developed many small applications for various clients.

VB6/COM

- Client/Server/Web experience with ADO and SQL Server.
- Extensive experience with object oriented programming techniques.
- Developed Winsock TCP/IP applications to interface with servers.
- Developed a Mapping Application for the wireless RF data industry.
- Developed a CTI application for 911 centers.
- Written commercial ActiveX controls (COM).

Other Technologies

- Fluency in tools and technologies important to the .NET infrastructure: WinDbg, NAnt, TDD, NUnit, NDoc, Draco, CruiseControl, Subversion, Vault, Fiddler, DotNetNuke, etc.
- Languages: HTML, JavaScript, C++
- Databases: MS SQL Server, Sybase ASE, MySQL, Oracle
- Programming hobby: writing code generators to facilitate a faster development model.
- Participation in various open source projects.

Employment, Projects & Products

2005 – Present **Clear Channel Communications, Aliso Viejo, CA**
Architect/Team Leader/Consultant.   Led various teams in implementing high visibility applications, crucial to the enterprise. A primary contributor to the design, development, and launch of several products. Technologies used: C#, .NET 2.0, Windows Services, Remoting, Smart Client, ClickOnce deployment, WinForms, Web Services, IIS, PHP, Apache, VB6, Data Dynamics Reports, DevExpress UI suite, etc…

2003 – 2009 **Informer Inc., Garden Grove, CA**
Consultant. Designed an application for the 911 market. Implemented application features that allowed the programs to be as resilient as possible, given the nature of the 911 business. The application provided a rich 3rd party application framework to allow interfacing with existing and new applications that may already be in the PSAP. Technologies used: VB6, C#, PSAP Trunks, etc…

2006 – 2009 **Judicate West, Santa Ana, CA**

Consultant. Participated in a team that built an application for managing a business for alternative dispute resolution. It allows management of cases, judges, hearings, lawyers, defendants, etc… Technologies used: ASP.NET, C#, VB6, Industrial Scanner interfaces, Windows Services, Data Dynamics Reports,

2004 – 2006	**Danim, Newport Beach, CA**

Consultant. Developed Member & Customer Management Software to run a health club. The application tracks members' attendance, processes payments and POS sales, tracks inventory and even manages employees' timesheets from within the software.   The software also provides robust membership reporting capabilities for effective health club and fitness center management. Technologies used: C#, DevExpress Reporting, DevExpress WinSuite and Infragistics Winforms Suite.

1999 – 2005	**Deutsche Bank, Santa Ana, CA**

Senior Systems Architect. Investigate and define new technologies companywide. Lead adoption of and implementation of various technologies, designed to move the Bank ahead of competition. A primary contributor to the design, development, and launch of all the projects listed below.

January 2004 **Job Stream.** Designed and implemented a system suite similar to BizTalk, but geared toward mortgage-backed securities and loan custody businesses. Allowed users to define their business workflow by putting together a collection of tasks that suited any work assignment that can be automated. The computer work would subsequently be offloaded to a server, allowing the employees to focus on other activities. Among tasks available out of the box are data upload, data manipulation, data export, ftp, email, business-specific validations, aggregations, derivations. Provided for integration with the industry partners. The rollout of the application resulted in overwhelming productivity gains.   This system replaced a Powerbuilder based system composed mostly of over 100,000 lines of hardcoded SQL.

March 2002 **eRequest.** Rewrote from scratch an existing application with an eye on speed, load, maintainability and scaling. The program focused on quickly fulfilling customer requests and making the overloaded workforce more efficient. All the original goals were met and the application was delivered on time. The implementation of the application resulted in tremendous savings. The department that used the application has, for the first time ever, shown double digit growth.

May 2001 **Web Application Code Generator.** There are two things that are present in most Deutsche Bank applications: the identical look and feel (because the bank requires it and it makes sense) and data access. A cursory look at applications turned in by various programmers at the bank revealed that most of them were writing different code to achieve the same goal. So I wrote the Code Generator with the idea is to generate 90% of the screens that are always the same in banking environments. This way the programmer doesn't have to worry about the user interfaces and generating views, but instead can focus on the business logic. The code generator was a huge success: it managed to drive down the cost of software development, produce more robust code and reduce maintenance costs. In fact, both applications above and most others started their life as code derived by this code generator. The code generator was adopted by other entities within the bank to facilitate their software development processes.

Other Applications. I designed and implemented another half dozen applications many of which are used in various divisions of the bank. Samples and descriptions available on demand.

1994-1999	**Data Express, Garden Grove, CA**

Software Architect. Led design and prototyping of the Fleet Management 2000 and contributed to design of four other applications. Designed and developed turnkey vehicle tracking system.

1995-1998 **Fleet Management 2000.** Developed the leading application in the wireless RF data industry The project involving the use of GPS (Global Positioning System) for several industries. For communications, the system used wireless modems and an extensive communications layer. Implemented a communications layer for talking to 3rd party applications wishing to take advantage of our platform. The application was sold on a world-wide basis, mostly due to its extensibility and flexibility. Fleet Management was one of the first RF apps to implement vector mapping as its mapping layer.

1997-1998 **São Paulo, Brazil Bus Tracking Project**. Implemented most of the software to handle the tracking of 11,000 busses in São Paulo, Brazil. The system included placing homing beacons on nearly every major intersection in the city. Some of the challenges included ability to provide a software-level connection-less protocol for reliably sending/receiving data packets.

1998-1999 **Dispatch Assistant/Express.** Provided a suite of applications necessary to run dispatch, pickup and delivery services. The challenges included the task of making the application generic enough to be sold to multiple industries.   We developed the leading application in the wireless RF data industry. The applications were adopted by many taxi/limo companies.

Education

1997	**Long Beach State University** BS in Computer Science
2004	**Microsoft Certification Program** Earned MCSD certification for the Visual Basic program