# LONNIE BEST

6318 Encenada Green Trail · Humble, Texas 77346 · Ph (281) 529-5879 · lonniebest@startport.com

**OBJECTIVE:** To obtain a position in a corporate environment that utilizes the depth of my areas of technical expertise to create and implement software solutions that enhance information systems.

## SUMMARY OF QUALIFICATIONS:

|  | Experience Level | Years |
|---|---|---|
| **HTML** | Expert | 18 years |
| **CSS** | Expert | 15 years |
| **Javascript** | Expert | 17 years |
| **C#, WinForms, WPF** | Highly Proficient | 10 years |
| **Server-Side Scripting** | Expert | 10 years |
| **Relational Database Design** | Expert | 13 years |
| **Object Oriented Modeling** | Expert | 10 years |
| **Database Administration** | Highly Proficient | 13 years |
| **SQL** | Highly Proficient | 10 years |
| **Ubuntu Linux** | Highly Proficient | 06 years |
| **Windows  Servers** | Highly Proficient | 13 years |

## Skills Related to  Client - Server application development:

- Highly skilled a research and development of new projects and at documenting all architectural considerations of a proposal to be presented to corporate decision makers. Capable of translating technical jargon into real world business considerations in a way that non-technical decision makers can appreciate.

- Proficient at making mock-ups of User Interface Design Proposals that are both easy to use and minimize steps required to perform a task.

- Capable of implementing a proposed User Interface Design in windows forms, WPF, or even a web application that runs exclusively in a browser. While most developers know windows-development. I can do both windows and web-based development.

- Proficient at querying a database with SQL, and know how to create stored procedures so that client applications or business object models merely send commands that the database performs.

- Proficient at relational database design. Can design a mysql or Microsoft SQL database on a server that can drive a client-side application, and know how to make the client efficiently and securely communicate with the server.

- Proficient at object oriented modeling with C# programming. Can design an object model from scratch and create an interface for a client-side application to communicate with a business object model. Know how to write a data layer so that all business objects can be serialized and retrieved from a relational database.

- Skilled at discovering bottlenecks in slow performing client-server applications and proposing solutions to increase performance.

- Capable of writing thorough documentation and even video presentations to assist users in using advanced features of any application.

## WORK EXPERIENCE:

| July 2000-<br>Present | **Sole Proprietor**<br>Database Designer / Web Designer / Applications Developer<br><br>· Created a robust client-server backup solution for a company called DP Solutions. I designed both the client (c# and WPF), the client-side service (c#), and the server-side service that facilitated archiving the backups for all customers accounts which would include numerous workstations and servers at multiple locations. I wrote the client in in **c#** and **WPF** and customers used it to schedule backups of their important files over the Internet to DP Solution's data center. The client-side service would run on each computer, so that even when the client application was closed, scheduled backups would still be performed by the client-side service. Essential a customer could install this client on a variety of a windows machines and select important folders that they wanted to backup. Then they could either back up right now using the client (seeing real-time stats), or they could schedule a backup, close the client, and then the client-side service would perform the backup at the scheduled time by communicating with a windows service running at the data center. In the object model that I designed, I created a wrapper for an open source technology called Rsync. Rsync facilitated the application's ability minimize bandwidth during backups. Essentially, it would do two things. (1) All data transferred was compressed on the client-side before being sent to the data center. (2) Only the data that has CHANGED, <u>in a file</u> was transferred. After changes were transferred, the old files on |
|---|---|

| | |
|---|---|
| | the server were modified to be exactly like the new file on the client, and md5 check-sums were compared to ensure consistency. The software had to be robust. Even if you unplugged a network cable during an off-site backup, it would resume where it left off as soon as you plugged the cable back in.<br><br>· Automated an article submission website that receives over 100 articles per day from various authors. The MySQL database now contains over 140,000 articles that were published by users through a web interface I created.<br>· Created an on-line tool, for formating CSS, that is ranked first in Google and used daily by CSS designers all over the world. The tool has been written about in numerous articles from several languages and country origins. The application required extensive understanding of object-oriented design and regular expressions (written in C# and JavaScript).<br>· Created a Roulette Simulator for analyzing roulette betting strategies. It is a C#.NET windows forms application that required understanding of object-oriented modeling and multi-threading.<br>· This card trick showcases my command of object-oriented JavaScript: www.lonniebest.com/CardTrick/ . I wrote it using NotePad, here's the code: http://www.lonniebest.com/CardTrick/script.js<br>· Designed a multi-user web application from scratch.<br>· Designed an extremely complicated fully normalized database for a multi-user web application. |
| Jan. 2008 - Sept. 2008 | **Best Stainless & Alloys**<br>System Administrator / Salesman / On-line Marketer<br><br>· Created over 30 websites dedicated to ranking highly in Google for each of the various grades of stainless steel the company sells.<br>· Administered the computer network, servers, and database servers.<br>· Performed cold calls to acquire new accounts, and maintained relationships with customers via phone.<br>· Setup MetalTrax (a client-server application for managing a steel business)<br>· Wrote custom sales reports using SQL to talk to a Pervasive database used by MetalTrax.<br>· Setup ACT ( a customer relationships management software). |
| May 2006- May 2007 | **MinePoint Software (www.minepoint.com)**<br>Data Integration Specialist / Trainer / Developer<br><br>· Helped develop, test, and support MinePoint (a software designed to move data from almost any source to almost any destination).<br>· Company flew me all around the United States and Canada to install ServicePoint (the installation required extensive custom manipulation of SQL Server Stored Procedures to get data from a variety of databases into ServicePoint's windows forms application.<br>· After installation at each company, I spent the rest of the week delivering training presentations for corporate managers. |
| May 2004- Aug. 2004 | **US Stone**<br>Custom Software Developer<br><br>· Data Flow Analyst – Reduced a recurring data flow process from 45 minutes to 5 minutes by discovering inefficiencies in SQL Stored Procedures. Note: The company had 3 full time programmers that were unable to discover these inefficiencies.<br>· Eliminated a performance problem in the corporate intranet site by implementing JavaScript that performed partial page updates. Later this technique became known as AJAX, but I was implementing this before the term was coined.<br>· Designed and implemented 3 custom integrated c# windows forms applications: Capacity Management Application, Truck Routing Manager, and a Promise Date Application that took both capacity and the truck routing schedule into consideration so that the company could provide customers with a accurate delivery date at the time of their order. |
| Dec. 99 – July 2000 | **Best Delivery System**<br>Manager of Financial Departments<br>· Consolidated all accounting reports into one informative report<br>· Monitored and communicated the corporation's financial situation to the CEO, COO, and The Board of Directors<br>· Redesigned the corporations pricing structure with nonlinear regression analysis<br>· Managed Billing Department<br>· Managed Accounts Payable Department<br>· Managed Payroll Department<br>· Managed Accounts Receivable Department |
| Aug. 98 – Nov. 1999 | **Best Delivery System**<br>SALES AND MARKETING<br>· Setup a 20 client LAN<br>· Created the corporate Internet and Intranet sites: www.bestds.com<br>· Designed pamphlets, brochures, and other marketing materials<br>· Researched and developed a program for improving worker morale<br>· Lead the sales department in acquiring new accounts through personal sales |

| Jan. 95 – Dec. 1996 | **Sam Houston State University**<br>COMPUTER LAB ASSISTANT<br>· Assisted student with various computer software programs<br>· Helped students with the operation of computers<br>· Aided students in web design<br>· Turned in reports on malfunctioning computers |
|---|---|

**EDUCATION:**

| Institution | Degree | Major (s) |
|---|---|---|
| Sam Houston State University<br>Huntsville, Texas | Bachelor of Business Administration<br>09/93 - 08/1998 | Double Major:<br>Economics / Marketing |

**LEADERSHIP:**

**Member:** Golden Key National Honors Society
**Member:** Tau Kappa Epsilon Fraternity Alumni