

Charles Mark Carroll

**.net C#/VB.net
Programmer, Team Leader**

**20+ years of experience
willing to relocate anywhere
in US or world**

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Programming Skills

- **20+ years of coding experience** (and 5 years of project management) spanning dozens of languages/platform including Enterprise Mission Critical Architecture, OO, Patterns and Refactoring. As a project manager I am familiar with SCRUM, Agile/Extreme and Waterfall Development methodologies.
- **C#: 5+ years of experience (VB.net as well)**. I had access to pre-beta 1 ASP.net given privately by Microsoft to myself before it was announced to community. Within C# I have developed working knowledge of most aspects of the language and runtime: ADO.net, API calls, Attributes, Caching, some Encryption, Reflection, Regular Expressions, Remoting, Threads, Webservices, and XML.
- **10 years of Website and Internet programming including ASP and ASP.net**, programming of COM/COM+ components for the web server, including secure transactions, and useful lesser known technologies like Remote Scripting (now given the moniker Ajax). Took responsibility for content development and community building as part of site management. The websites I personally created include LearnAsp.com, CharlesCarroll.com and AspAlliance.com.
- **Some Sharepoint and CMS/Portal experience (including DotNetNuke and Rainbow)** but due to opportunity my knowledge in these areas is not as deep.
- **Asp.net 3rd party and libraries** (open, closed and shared source) to reduce code development time: Ajax, MS Enterprise Blocks, log4Net, IBatis, CodeSmith, OR/M, Object Persistence, EasyListBox, PowerWeb Controls, Peter Blum's VAM, Mainframe Stream/Screen Scraping, etc.
- My pre-.net experience was C++, Visual Basic v4-6, the **Windows API, COM, MTS, VBA hosts (Excel, Word, ...)** and MS development IDEs. Before that several C++ compilers and Xbase compilers.
- **20 years+ database experience including SQLserver** (plus Access, FoxPro, Paradox, dozens of others). Of course I am familiar with Relational Database Design (avid reader of Codd and Celko and other gurus on the subject, and implemented many relational database designs) and am proficient in ACID transactions and custom transaction design. Great success stories speeding up database operations (Stored Procedures, Queries) to 100 – 1000 x faster by optimizing the method of fetching, using appropriate indexes and/or redesign of the database structure to simplify the retrieval.
- **Programming Repertoire** includes Secure Coding practices, Version Control (SourceSafe, CVS, Subversion), Unit Testing, Stress Testing, , the families of XML standards, WebService integration, Message Queuing, Mainframe Integration, and ACID transactions.

Successful Programming Projects

- Internet, Intranet and Extranet Web development as coder and team Leader. Recent projects included managing a team of 8 programmers working on a ASP.net version of a \$100k – 300k product that had to be redesigned to have a friendlier more accessible user interface, support many foreign languages, complex encryption within database and custom transactional logic.
- Designed and coded a website that supports 24,000 unique visitors daily and 160,000 page views and the code was stable and leak free so the server could stay up for months.
- Designed and coded dozens of large, mid-sized and small traditional Windows applications (some were smart clients) including diverse applications (Accounting, Budgeting, Reporting, Conversion, even connected Travel Fare applications that pre-date the web) for all sizes of organizations ranging from huge organizations (International Monetary Fund) to the tiny (1 person shops) and everything in-between.
- Invented as needed hundreds of small utilities including Dos/Console apps, Windows Services and such. File Format conversion with lots of data/fault tolerance and extensive logs were an art form of mine.

Supplemental Skills and Background

- Have published several magazine articles on programming and authored software documentation including programming library references with sample programs. Media ranged from printed manuals, Windows Help files, CDs, and all forms of web documentation (web pages, lists, NNTP, blogs, etc.).
- Have taught and created curriculum for hands-on computer classes on programming topics and non-programmer topics and audiences on shrink-wrapped software and custom software.
- Have managed and automated customer technical support
- Managed and interviewed/recruited programming teams. Created online product communities.
- Writing and delivering technical speeches
- Founded local .net User Group WinproTeam.org in Maryland and Virginia

Chronological Job Listing and References

11/15/2005 – present C# ASP.net Consulting and Teaching

- C# Consulting and programming for [Asp.net](#), DotNetNuke, Sharepoint and ASP.net Architecture
- Teaching private and public ASP.net 2.0 classes around the US and abroad
- taking some time off to spend with my 2 children in Tokyo

6/1/2005 - 11/15/2005 PCSS Asp.net Team Leader

Team Leader for complex [Asp.net](#) software package with OO design, localized in several languages, VERY complex business rules that are customer editable, custom database encryption and transaction design. Redesigned the existing User Interface to be 10 x friendlier and easier to navigate. Technologies include ASP.net, Ajax, SQLServer 2000, NHibernate, CodeSmith, Log4net, DotNetNuke, etc.

reference: PCSS "Luke Hammond"

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1/1/2005 - 6/1/2005 Team Leader: [Asp.net](#) IIS, SQL servers and clusters

Managed a 20 person tech support team for a small ISP (Anant Systems) and some custom development and CMS issues (DotNetNuke, Rainbow).

reference: Anant Systems, Rahul Singh

rahul.singh@anant.us 703-655-5652

5/15/1998 - 6/1/2005 ASP.net Consultant, Team-Leader and Teacher

for several ASP.net startup control vendors and library vendors. Taught Classic ASP while still in beta, and taught the first ASP.net classes worldwide (first class in Sweden) since I was shown ASP.net privately by Mark Anders and Scott Guthrie before anyone in public even saw Beta 1 (C# was not even named yet, still called "Cool" by it's designers because Ms had not named it yet. **References:**

Robert Pfefferkorn rpfeff@gmail.com 410-263-3266

Avnet, Chris Taylor rpfeff@gmail.com 408-794-6018

Dr. Admiral Roger Gilbertson roger@sunbustguru.com 202-483-3792

1996 - 1998 Writing technical documentation...

for a Visual Basic / Power Builder library that does asynchronous Mainframe stream scraping from scrolling terminals and screen based legacy systems (AS-400s,)

reference: Mitem Corporation, Daniel Corenzwit

dan@mitem.com 301-947-1724

1992 - 1996 International Monetary Fund (IMF)

reference: Shabaz Khan

skahn@imf.org 202-623-6749