

Stephen Smith

6575 West Tropicana Ave
Apartment 2128
Las Vegas, NV 89103
Mobile: (310) 666-6812
contact@stevepsmith.com



Software Engineer

Extremely wide knowledgebase of most Microsoft programming languages from assembly language upwards. Extensive database development in MS SQL 2005/2016, AWS and Azure. Very familiar with almost all of the Microsoft Server family, most server API's from email thru media to IIS. Began programming with the release of cpm and msdos 1.0, progressed through Borland c and Microsoft c++, platforms Microsoft Windows 286 to Windows 10. Preferred language c#, total experience in this language is in excess of 18 years beginning in 2001 using an internal version from Microsoft prior to public release. .Net frameworks 1.0 to .Net Core plus extensions. Preferred development software Visual studio from first version to current. Platforms include all Windows up to 10 and embedded systems to 7.

Experience

Key Achievements

- Originator and copyright holder of unique Sportsbook software first released at G2E Las Vegas and ICE London on the IGT stand. Configurable odds providers, Customizable user interface with live video. Enables live odds regular wagering plus in-play wagering direct from the console on sports and racing events.
The software uses triple DES encryption conforming with current GLI33 regulations. Auto detecting bill validator and TITO ticketing system.
- Originator and copyright holder of foreign exchange API running on the windows platform, consisting of a new unique language mqlsharp. The software is designed to permit high frequency trading of currency contracts over TCP networks connecting with market makers. Extremely sophisticated and complex software interfacing with forex trading terminals.
- Originator and copyright holder unique telephone software API used by major carriers and operators such as AT&T, Sprint, Qwest for VOIP, SIP and Landlines. The software controls telephone soft switches using c# on a windows platform. Consists of an extremely low level interface with telco switches at the "byte" level, conforming to the rigorous standards of telecommunications 99999 uptime with 100% failover, extremely high traffic capability.

Contractor ISI/IGT

to 2019 ISI/IGT Las Vegas NV.

Key Achievements

- Coded complete IGT odds API to interface with their odds system (Playshot)
- Created and delivered API and services for all Cashcode bill validators including the latest Cashcode and TITO printers.
- Updated all of the server software to maintain the online wagering clients located on the offshore Caribbean islands and cruise ships.
- Created live management intranet for clients to maintain accounts with the company including real time odds on current sports.
- Maintained and updated the SQL database and also the services running the wagering system (RapidTote) odds provider.
- Created and delivered SAS API to interface with the IGT accounting system.
- Created and delivered complete Video Poker application and engine with sixteen different poker games.

Contractor LiveOffice

2004 to 2009 LiveOffice Torrance CA, largest financial email company in the U.S. who controls the email of 90% of all financial companies, which is now owned by Symantec

<http://www.symantec.com> mainly financial clients approximately 60 to 100 over a period of four years taking the company from zero of its systems in operation to 100% capability. Played key role in almost all of the systems and software in the company.

Key Achievements

- Architected, programmed and completed email management software with approximately 50 to 100 individual applications from Instant Messaging to low level security applications, c# and MSSQL, and Amazon cloud, elastic computing.
- Email management web based software for iPhone, Blackberry, Windows Mobile, Palm cell phones.
- Architected designed and developed server-side email archiving system, company was sold to Symantec in January 2012 for its archiving solution.
- Automated web based email management system in collaboration with Microsoft.
- Originator and copyright holder of router software used by AT&T and Verizon wireless in exchanges to control the routing of cellphone calls using SIP.

Contractor

Digital Dailies software in 2001 for Sample Digital Santa Monica CA, offering movie post production services to major movie studios and post production houses. <http://www.sampledigital.com> and Microsoft Media.

Key Achievements

- Recoded the complete video encoding system from Visual Basic 6 and asp to c# and aspx. This was done with the internal pre-release version of c# in 2001 one of the first programmers to use c# for commercial applications. The software was show cased at Las Vegas (Best of Show) media show. This project was the winner of sponsorship by Microsoft Media division.
- Video editing software, used to interface with DaVinci post production machines, used by Laser Pacific, one of the most prominent Post Production Movies studios in the world.
- Negotiated and completed USC(West Coast Node) and setup streaming server system for Sony, for their offering of online Media,
- Translated movie encoding software to c# for Microsoft Media Division.
- Encoding system used in such movies as Legally Blonde, Two Towers, Gods and Monsters plus many others.

Contractor

Various movie studio and TV related projects, principally Paramount Studios L.A.

Key Achievements

- Star Trek fans web site, the final episode of Voyager.
- Websites for TV shows on HBO streaming video and Macromedia flash sites.
- Internal data management projects based upon entity framework.

Contractor

Leisuretime International, Wicked Pictures Calabasas CA.

Key Achievements

- Completely reconfigured and installed servers for the company. From firewalls, routers, accounting servers, web servers, warehouse controls, repaired and reconfigured the entire network.
- Architected, coded and completed, video database archiving software.
- Interfaced with the patent attorney, prepared documentation, application and completion of patents for the company.

Contractor Lead Developer

BroadStream, Video analytics company, Woodland Hills CA

Key Achievements

- Architected and programmed web statistics software.
- Architected and programmed Internet based statistics file distribution for Cisco, based upon the closest endpoint principle.
- Cisco shortest path routing software.

Director of Production and R&D

1998-2001 Video Technologies, Los Angeles CA

Charged with controlling two teams of 50 developers in New York and Los Angeles to produce software to edit and display video streaming Websites with multiple formats. Interface between Saatchi and Saatchi, plus other high profile clients.

Key Achievements:

- Fortune 500 Clients including Toyota North America, Los Angeles Lakers, Rand Corporation, Victoria Secrets, Microsoft.
- Developed software platform for video streaming and websites.
- Interactive video helpdesk for Microsoft (featured on Microsoft.com).

Education

- English language and literature (Oxford and Cambridge)
- Minored in 9 subjects, Majored in Mathematics, Physics, Chemistry and Logic.
- City and Guild's Parts 1 to 4 and advanced in electronics. BSc. equivalent and IEEE member status.
- FIMBRA registered (no longer active), major bank, previously licensed at all levels from personal to corporate investment, financing and financial products.

Skills

C#	Expert	18 years
Frameworks 1.0 to current	Expert	11 years
Assembly language	Expert	10 years
C, C++, Managed C	Expert	10 years
Microsoft API's OS and most servers	Expert	Win286 to present
Visual Basic 1.0 to VB .Net	Intermediate	Since inception
Markup Languages Html XML etc.	Expert	Since inception
JavaScript and frameworks	Expert	Since inception
Java	Intermediate	10 years
Web Services WCF, Entity Framework	Expert	10 years
Presentation Framework WPF	Expert	5 years
REST	Expert	Since inception 2000
TCP/IP, Sockets, Most Protocols	Expert	20 years
SQL, TSQL Sybase to MSSQL	Intermediate	MSSQL 2000-2008
MS Office (Word, Excel, PowerPoint, Access etc.)	Intermediate	Since inception
Bilingual (Spanish)	Fluent	16years
Hardware (all processors)	Expert	Since Z80 onwards

Additional Information

As a software contractor, it is common that I am employed when all others have failed, because of this it is expected that I grasp a subject quickly and hit the ground running, normally on a short time limit. As a contractor if a problem should arise it is usual that I am relied upon to suggest the optimal solutions and more often than not become the actual definitive source of information for existing employee programmers. Contracting is an extremely different occupation and very few are successful due to the varied skill sets required. Often expected to communicate with company staff at all levels from the intern to the CEO. Humility and patience is important as the contractor is normally expected to interface with all people with diverse skills, these qualities, come only from years of

experience. It is this experience that counts above all, working with the CEO's and CTO's, Fortune 500 companies to startups all requiring different communication skills. A distinct advantage I believe I possess over many programmers is that I always, but always, complete the project whether it be personal or for a client and just as important "complete it on time", this being the trademark of a good contractor. An additional advantage is that I have occupied not only the position of programmer but also management including personally owning companies in the past and understand the individual requirements and differing goals that exist at all levels throughout a company.

I have a wide experience base in many industries from banking to entertainment allowing an unusual flexibility in the ability to adapt extremely quickly to virtually any working environment and most subjects, colloquially termed "hitting the ground running".

Other Interests

Finance and complex instruments, capital markets, theoretical physics, mathematics, current legal developments, politics and economics.

Extended Experience

Details of prior business history, Banking, Property Developer etc. available upon request

Personal Web Sites

<http://www.stevepsmith.com>