

RICCARDO TERRELL

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INFORMATION SYSTEMS & TECHNOLOGY PROFESSIONAL

Software & Systems Development ▶ Computer Programming ▶ Software & Network Engineering

Delivering Cost-Effective Technology Solutions to today's Business Environment

Integrating advanced technology tools to increase internal efficiency, enhance work productivity, and reduce operating costs

- Highly-certified, innovative technology professional offering value to startup and high-growth companies through strengths in business acumen, technical proficiency, and industry certifications.
- Unique approach to problem-solving, customer relationship management, and new program/system development.
- Broad-based international experience in technical management, networking solutions, database administration for top facilities in the medical industry.
- Deep understanding of technology and its widespread impact on diverse business operations.



.NET Framework 4, Data Access
.NET Framework 4, Service Communication Applications
.NET Framework 4, Web Applications
.NET Framework 4, Windows® Applications



Windows® Developer 4

TECHNICAL PROFILE

Languages:	C#, F#, C, C++, VB.Net, SQL, JavaScript, CSS, UML
System:	Windows 8, Windows 7, Windows Server 03/08/12, Windows Vista, Windows XP, NT, 2000, iOS, Linux
Database:	ODBC, MS SQL Server (2000, 2005, 2008, 2012), ORACLE (10, 11), MySql, NoSql (CouchDB, RavenDB), MS Access
Software Programs:	Visual Studio (05/08/10/12), Subversion, Team Foundations, Blend Expression
Technology Experience:	.NET Framework (2.0-4.0), ASP.NET, MVC, ADO.NET, XML, XSL/XSLT, AJAX, WCF, Silverlight, Crystal Reports, MS SQL Reporting, WPF, NUnit, LINQ, Web services, SSIS, DirectX, Client/Server Architecture, Parallel Computing, Asynchronous Processing, JQuery, KnockoutJS, Rest, OData
Development Methodologies:	Agile (Scrum), Test Driven Development (TDD), Domain Driven Design (DDD), Type First Development (TFS), Extreme Programming (XP), GoF Design Patterns

PROFESSIONAL EXPERIENCE

SOFTWARE ARCHITECT, *Unisys, Consultant Company*, Alexandria, Va 2013
Builds web based near real time Home Land Security intelligence solutions that continuously monitor data for anomalous behavior.

- **Real Time Analysis:** Developed simultaneous loading process for multi-faceted data retrieval system to create a synchronized structure while enabling secure collaboration.
- **Technologies Leveraged:** C#/MVC4, Async, Entity Framework 5, JQuery, AJAX, KnockoutJS, SQL

SOFTWARE DEVELOPER, *Pantheon, Healthcare technology*, Arlington, Va 2012 to 2013
Built customized, integrated applications and tools for communication and analytics.

- **Expert Analysis:** Created a windows based application using WIF/C# to import and analyze several GB of insurance data and statistics integrated into a custom web site which rendered the data using static HTML. Immersed in full-spectrum software design of application using DDD methodology. Improved data analysis by 300%.
- **Technologies Leveraged:** WPF/C# 4.0, WCF, JQuery, KnockoutJS, XML, EF Javascript SQL

SOFTWARE DEVELOPER, *Edgar-Online, Financial Company*, Rockville, MD 2010 to 2012
Responsible for creating client tools and leveraging the latest technology to refine features of XBRL (eXtensible Business Reporting Language), the financial standard mandated worldwide to improve the transparency and efficiency of business reporting.

- **Agile Analysis:** Customized html & XML parser with built in constraints to convert web pages and financial data to XBRL and simultaneously check for accuracy within set standards. Improved performance and ease of use for the commercial market.
- **Accelerated Performance:** Re-build and re-architect \$5M/41 Library application to run multiple tasks concurrently and leverage multicore machines. Streamlined analysis of more than 25Gb of data to reduce the number of roundtrips per database requests using the C#, Iron-Python, Ado.net, Wcf and Wpf technologies.

SOFTWARE DEVELOPER / PROJECT MANAGER, *Private Company*, Montgomery Village, MD 2009 to 2010
Managed Asp.net / C# development projects in Multi-tier applications. Customized data-driven controls leveraging Web Services and WCF technology. Created internal framework to improve processes in developing Web applications.

- **Global Solution:** Supported Crisis Commons Haiti relief project; created a web-crawler to compile data for a Creole-English dictionary and collaborated with Google inc. to design a real-time automated translation tool.
- **Lean Architecture:** Achieved streamlined performance creating a faster, more secure foundation.
- **Synchronized Software:** Customized high performance asynchronous tools to download and upload data in a based RAID storage Array to reduce process footprint.
- **Total Solution:** Designed an all-encompassing system to retrieve voluminous data in multiple formats, comprehensively converted all relevant data into an extensive archive of resources.
 - System allowed a global health care service to access thousands of articles and data published from its network partners to provide subscriber's client- tailored newsletters featuring their customized topics. The retrieval was accomplished by parallelizing the process in a high-availability computer cluster. This data was converted in different layers, analyzed and organized by topic.

SOFTWARE DEVELOPER, *Easj.com*, Pordenone, Italy 1995 to 2008
Built software development company from startup phase to profitable operation with wide network of clients throughout the northern region of Italy. Forged relationships with senior executives at private, state, and local hospitals including clinics, medical facilities, and medical equipment companies. Representative projects and highlights:

- **Software Development:** Programmed in C# customized software systems to enhance interface access with SQL server Database. Increased data analysis capabilities for doctors and medical experts while eliminating excess paperwork and man-hours.
- **Advanced Technology:** Recruited by General Electric to lead software design, development, and implementation for Miami Valley Hospital in Dayton, Ohio and Christ Hospital in Cincinnati, Ohio
 - Unique system allowed for two hospitals to view and send MRI and sonograph exams via JAVA streaming using existing hardware and LAN's. Consequently doctors could set their own analysis/post-analysis parameters in a GUI Windows format built using C++.
- **Technical Project Leadership:** Spearheaded \$1 million-dollar renovation and system enhancement project for several electrophysiology cardiology departments throughout Italy.
 - Equipped departments with new Windows systems that allowed doctors to analyze Holter cardiology exams from any computer location in entire hospital through a VPN connection using a GUI created with C# between SQL server databases.
- **Global Solution:** Supported Crisis Commons Haiti relief project; created a web-crawler to compile data for a Creole-English
- **Software Design & Administration:** Created interactive software that allowed for real time data exchange between 60 urgent care centers and central city hospitals in the northeast region of Triveneto Italy.
 - Enabled remote and isolated villages to access specialty medical equipment and professional expertise on a 24/7 basis using ASP.NET Web service in C#.
 - Equipped hospitals with the ability to monitor patients' vitals and determine triage status real time using a GUI program created in C#; efforts generated significant cost savings in emergency and ambulance transportation services.

- **New Business Development:** Grew business operations through word-of-mouth marketing and increased client base to 25 hospitals in just 18 months.
- **Technical Solutions:** Contracted by four hospitals to provide ongoing technical assistance in the areas of network support, server maintenance, system upgrades, and hardware repair.
 - Administered support to over 400 end-users and five servers in a rack configuration.
 - Designed system to remotely store and backup sensitive and privacy act data on customized and central scheduling program using a customize C# Zip and Cryptography.
- **Database Design & Transfer:** Orchestrated complete overhaul and technological renovation of neurology department by converting 15 years of data for 20,000+ patients to a new SQL 2005 database. Completed project with zero lost data and saved the hospital a significant amount of manpower.
- **Network Administration:** Assembled TCP/IP stack tracer in C# and JAVA to evaluate and determine client/server dependency; implemented new system that improved error-tracking capabilities, stored historical performance data in SQL Server, and analyzed system health.

EDUCATION & TECHNICAL TRAINING

Team Foundation 2012 Course	April 2013, Microsoft
F# Fast Track Course	April 2013, Tech Center NYC
Software Best Practice .NET	March 2013, Microsoft
MPD 70-518 Certification	March 2012, Microsoft
MTCS 70-513 WCF	March 2012, Microsoft
MCTS 70-511 WPF 4.0	March 2012, Microsoft
MCTS 50-512 Web Forms/MVC	March 2012, Microsoft
MCTS 70-516 Data Access EF	March 2012, Microsoft
IDesign WCF Master Training	August 2011, Minneapolis, MN
Brain Bench C# - Scored 100%	July 2008 (id number 7547609)
Bachelor's degree in Computer Sciences,	<i>Parini Institute (Italy)</i>
Certification – Visual Basic, ASP.Net	<i>Corcordia Technical Institute (Italy)</i>
Certification – OOP and C/C++	<i>Malignani Technical Institute (Italy)</i>
Electronic Course	<i>Technical Institute Kennedy (Italy)</i>