

Day-to-Day Work and Duties:

Focus	%	Description
Task Management	5	Review daily logs and schedule work if needed Determine daily priorities and update task/Kanban system Identity and coordinate priorities with stakeholders and team members
Database LINQ Entity Framework	20	Create and modify schemas, permissions, tables, procedures, views, triggers, indexes, and constraints in multiple databases for multiple projects. Write and test complex stored procedures and multiple-step information flows. Shred XML documents. Manage ORM process (EF or custom app) to integrate databases with EF and LINQ. Write LINQ queries.
.Net 6 C#	10	Create MVC and API controllers, interfaces, services, DTO's and other data classes (XML/JSON). Create specialized classes (Identity Server, external API connections), etc., as needed.
API's C#	20	Configure permissions. Create and organize data flows, exception handling and logging. Design DTO's and data flows between layers, including inter-app, browser, desktop, and mobile clients.
Testing	10	Manage Test and Staging apps, databases, and data. Write XUnit unit and integrity tests. Create and implement Postman tests.
Client Scripting	10	Create, update and test jQuery, JavaScript, HTML5, CSS3, and XSLT files. Implement Bootstrap and Knockout, and other components such as charting libraries.
Stakeholder Relations	5	Communicate with clients regarding issues, new requests, pending approvals, new initiatives, server and architecture questions, timelines, and project planning.
Project Management	5	Create and manage standards and documentation. Prepare Visio, Word and other planning documents.
Research	5	Stay current with technology changes and new tech such as IOT, minimal API's, Azure features, etc.
Active New Tech Learning	10	Microservices Blazor React Angular MAUI OAuth (Alternatives to Identity Server)

Proficiencies:	Skill	Used Now	Years Used	* Proficiency 1-10
	.Net Core (Ver 5-6)	Yes	4	
	ASPX/.Net	No	19	9
	C#	Yes	15	8
	Visual Studio (DevOps 6 Years)	Yes	20	8
	MSSQL/TSQL	Yes	20	9
	Azure/Logic Apps/Azure SQL	Yes	7	7
	MVC/Web API/Services/DI	Yes	15	7
	MVC, HTML5, CSS3, XSLT	Yes	12	9
	LINQ	Yes	12	6
	Entity Framework, XML/JSON/ORM	Yes	17	9
	JavaScript/jQuery/AJAX/Knockout	Yes	16	7
	Xamarin/MAUI	Yes	4	4
	Project Management/Analysis	Yes	20	6
	IT Instructor/Mentor	Yes	7	8

Employment: **SAIC** (2009-present); Crane Naval Warfare Center (NSWC) - Indiana.
 Application architect, SQL Server, Team Lead and .Net Developer. Responsible for design, development and maintenance of OPS Center task management, risk management, and metrics application for the Navy. OPS Center is a jQuery-based application running over SharePoint and primarily uses a custom-built, SOAP-based, data component (XDAC: XML Data Access Component) to exchange data with MSSQL. I originally built XDAC in 2003 and migrated it for use in OPS Center due to NAVY restrictions on accessing MSSQL from non-SharePoint applications. Ops Center runs over SharePoint, which provides CAC-based authentication and authorization to division SharePoint sites. Internally, Ops Center controls access to modules, projects, project groups, reports, tasks, risks, and UI fields using nine permission levels tracked in the database.

Freelance Developer and Consultant (2005-present) – Indiana.
 Recent projects are all .Net 6, MVC. Web API projects, using C#, MSSQL, LINQ and Knockout.js.

Certifications: Microsoft Certified IT Professional (DB Developer 2008) – 2014
 Microsoft Certified Solutions Expert (MCSE: Data Platform) – 2014
 Microsoft Certified Solutions Associate (MCSA – SQL Server 2012) - 2014
 Microsoft Certified Technology Specialist (MCTS SQL Server 2008 Development) - 2010
 CompTIA Security+ Certification (2009, 2015, 2018)
 Microsoft Cert. Tech Spec/Pro Developer (MCTS/MCPD .Net Web Development) – 2008
 Microsoft Certified Solution/Application Developer (MCAD/MCSD) – 2003-2008

Education: Horizon University (Paris): DBA Studies (1 year only) - International Business
 Indiana University: Bloomington, Indiana; MPA (Master of Public Affairs)
 Indiana University: Bloomington, Indiana; BA, Political Science & Afro-American Affairs

Experience: Previous Projects and Positions	Freelance Consultant/Developer	Architect/Developer	2005 – present
	Hoosier Hills, LLC. Bloomington, IN	Partner/President	2002 – 2010
	Client Server Systems, Greencastle, IN	Owner/Network Eng.	1994 - 1999
	Geo. S. Olive, Indianapolis, IN	Consultant	1993 – 1994
	Heartland Automotive, Greencastle, IN	IT Manager/Developer	1989 – 1993

Other Activities: Freelancer: Guru/Upwork (2016-present)
Adjunct Instructor, Ivy Tech Community College, 2013 - present: various IT courses

Selected Previous Projects and Positions: Consultant/Developer: **XLR8R Technologies** - Spencer, IN; 10/16 – present. .Net Core, Xamarin: aftermarket automotive parts industry. MVC/C#/Knockout/MSSQL Azure. I created and continue to manage three .Net applications providing shop management, product catalogs, invoicing, inventory, and repair order tracking. Extensive use of Azure Storage and Logic Apps for batch processing. Invoices submitted to external API's. Repair orders received from external API's. Apps serve five primary distributors and 120+ auto repair shops.

Developer: **Insight Global** - Nashville, TN; 2008 – 2009. Multi-threaded, batch processing of credit card data using sockets. VB.Net 3.5/CLR/MSSQL.

Consultant/Developer: **AME Group** - Bloomington, IN; 2007 – 2009. Project lead. Architecture/application design, VB.Net development, e-commerce: property tax data collection and payment. MSSQL/SSIS/SSRS/AJAX. XML-based import engine.

Consultant/Developer: **Lear Corporation** – Greencastle, IN; 1997 – 2006. QS9000 manufacturing, BOM, scheduling, shop-floor data collection. VB.Net, MSSQL and XML.

Designer-Developer: **Alcoa Closure Systems** - Crawfordsville, IN; 2002 – 2005. Project lead. Multi-tiered Task Management System app tracking employee training and job skill requirements; multi-language support. ASP, .Net, XML & MSSQL.

Lead Developer: **Teletron** – Bloomington, IN; 2000-2001. Telecom billing, data collection, customer management; ETL & EDI ; reporting; ASP, XML, XSLT & MSSQL.

Designer-Developer: **Bridgestone-Firestone** - Aiken, SC; 1999-2000. Factory-floor data collection and reporting; scanning app for material handling. ASP, XML, XSLT & MSSQL.

Skills Matrix

David R. Marrero – July 2022

