# Michael R. Wassermann

**Full Stack, Senior Web Developer (.NET) & Data Architect**

(504) 418-7834 | michael.wassermann@m12systems.com | mikew194@gmail.com | mikew194@protonmail.com | [LinkedIn Profile](https://www.linkedin.com/in/michael-wassermann-25a5bb1b6/)

## Summary

Highly accomplished and logical Full Stack Developer with over 20 years of experience in software design, development, and team leadership. Proven innovator with deep expertise across front-end, middle-tier, and back-end application architecture. Adept at analyzing complex user needs, designing robust software solutions, and optimizing existing programs using critical thinking and problem-solving skills. Seeking a challenging senior-level Full Stack position to leverage extensive experience, lead development efforts, and contribute to achieving company goals. Recent focus includes Generative AI tools, Microservices, Micro-Frontends, and cloud-native solutions.

## Technical Skills

**Languages:** C#, JavaScript, TypeScript, Python, HTML5, CSS3, SQL **Front-End Frameworks:** Angular (18+, 16, 14+, 9, 8, 6, 4, 2, 1.x, JS), React, React JSX, TSX, Blazor (8+ WASM & Server), Knockout JS, JQuery, Bootstrap UI, PrimeNG, Material **Back-End Frameworks/Runtimes:** ASP.NET Core (8+), ASP.NET MVC (5, 4, 3), Web API (2), Node.js, Django, Win Forms, Windows Service, WCF **Databases:** MS SQL Server (2018), MongoDB, CosmosDB, Oracle **Cloud Platforms:** Microsoft Azure (App Services, Functions, DevOps, for Developers) **State Management:** NGRX, RXJS **Testing:** Karma, Jasmine, Protractor **Tools & Methodologies:** Docker, Dev-Containers (VS Code), Git, Bitbucket, TFS, IBM U-Deploy CDC Pipeline, Visual Studio (2019, 2015, 2013, 2012, 2010, 2008), WebStorm, LinqPad, D3.js, C3 charting, Unit of Work, Repository Pattern, CQRS/DDD, Design Patterns (MVC, Abstract Factory, Factory, Observer, Iterator), Agile, Scrum, JWT Token Security, Breeze, Hot-Towel SPA template, Ninject, WebGrease, Telerik Kendo-UI, LoDash **AI/ML:** Open-AI, Generative AI Tools, Copilot AI, BlackBox AI, AI in Project Management

## Professional Development

* **LinkedIN 2025:** Angular Essential Training (Ng14+), Containers with .NET and Docker, C# Design Patterns
* **Hexaware 2023:** Copilot – AI Assisted Development, Blazor, Azure DevOps, Angular 16, React
* **DotNetTricks 2020:** Angular 10, Azure, Razor Pages, .NET Core ASP.Net
* **PluralSite 2011 – 2019:** MVC, RXJS, NGRX, Angular 2+, Node
* **Avanade Technical Education:** ASP.NET (2010, 2011)

## Education

* **University of Louisiana at Lafayette:** Graduate Studies in Computer Engineering
* **University of New Orleans:** Bachelor of Science in Electrical Engineering

## Work Experience

**M12Systems R&D** | Conroe, TX **Researcher & Developer** | 05/2023 – Present

* Actively researched and applied Open-AI and Generative AI tools, publishing articles on LinkedIn regarding AI applications.
* Spearheaded a freelance project, developing solutions with Angular 18+, NGRX, Microservices, Micro-Frontends, Azure App Services, Azure Functions, DevOps, and Docker.
* Gained hands-on experience with React, React JSX, TSX, Python, Django, CosmosDB, .NET Core 8+, and Blazor 8+ (WASM & Server).
* Explored the application of AI in Project Management and Full Stack Development.

**Hexaware / Ernst & Young** | Atlanta, GA / Remote **Lead Software Consultant** | 07/2022 – 05/2023

* Provided critical development and support for the Reporting Hub project, solving complex technical challenges using .NET and SPA applications.
* Served as Assistant Technical Lead, guiding offshore teams in daily stand-up meetings.
* Developed a custom data management tool, enabling non-technical team members to investigate and repair data feeds, significantly improving data integrity.
* Utilized Angular 11, Dot-Net, WebApi, EF 6, MSSQL, PrimeNG, Material, Blazor, Core 6, and SSRS.
* Participated in internal training for Azure DevOps, Azure for Developers, Micro Front Ends (Angular/WebPack 5), Docker Dev-Containers, React.JSX, and AI Assisted Development (CoPilot, BlackBox AI).

**Arthur Lawrence / NOV Project** | Houston, TX / Hybrid **Software Consultant** | 10/2021 – 02/2022

* Served as a Full Stack Developer for the Equipment Manifest Application, utilizing Angular JS v1.6, Azure DevOps, WebApi, SQL Server, RXJS, and NGRX.
* Collaborated daily with offshore teams.

**PNC Bank Project/Consulting Solutions** | Houston, TX **Web Developer** | 04/2021 – 10/2021

* Executed full stack development for the Employee Displacement app, integrating BBVA Bank support.
* Developed new Web API for BBVA, created necessary SQL Server tables and procedures, and managed Azure DevOps code pushes.
* Optimized SQL Database and queries, enhancing application performance.
* Gained expertise in Angular, TypeScript Design Patterns, Bit-Bucket, and IBM U-Deploy CDC Pipeline.
* Utilized Angular 4, TypeScript, Node, Breeze, Prime NG, and JWT Token-based security.
* Prototyped a Vacation Request Application using Blazor 3.0 and Rest API.

**M12 Systems R&D (Independent Software Consultant)** | Conroe, TX **Independent Software Consultant** | 04/15/2020 – 10/2021

* Actively enhanced skills by researching and implementing Angular 9/10/11, NGRX, Azure App Services, Azure Functions, Docker services, ASP.NET Core Razor Views, and Entity Framework Core.

**Archer Systems** | City, State (Implied Remote) **Programmer** | 03/16/2020 – 04/13/2020

* Worked as a Full Stack Developer, utilizing Angular 8, AG-Grid, RXJS, NGRX, Web API, MSSQL, MVC, and Entity Framework.

**M12 Systems R&D (Independent Software Consultant)** | Conroe, TX **Independent Software Consultant** | 10/02/2019 – 03/01/2020

* Developed an enterprise-grade tooling application for an Oil Company, incorporating Angular 8+, RXJS, NGRX with CQRS/DDD, ASP.NET Core 3.1, Jasmine, MongoDB, and Web API.

**Praxair Project** | City, State (Implied) **Programmer – Full Stack** | 03/01/2019 – 09/01/2019

* Contributed to the Prairie's Sniffer project, a Software/Hardware application integrating C#, Win Forms, Windows Service, Entity Framework 6+, and MS SQL with National Instruments Data Acquisition Board.
* Conducted research on Azure development at Shell Technology Center.

**RPC Inc -Apex Systems** | Houston, TX **Web Developer** | 08/01/2018 – 01/26/2019

* Maintained the Portal application for CUDD and Fleet-wave, using Knockout JS, WebApi, MSSQL 2018, C3 charting, MVC, and C#.
* Contributed to a new release leveraging Angular 6, NGRX, Material, ASP.NET Core 2.0 (cross-platform), Jasmine, and RXJS with CQRS/DDD.
* Developed WebApi integrations with external stock price services.

**Flight Safty/Centaurus** | New Orleans, Baton Rouge **Web Developer**  | 11/01/2017 – 02/15/2018

* Updated internal web projects using Angular 4, RXJS, TypeScript, Node JS, Karma, Jasmine, Protractor, C#, ASP.NET Core 2.0, WebApi Core, EF Core, Linq to Entities (LinqPad), and MSSQL in an Angular/MVC (Razor) Hybrid application.

**Senda/United Airlines** | Houston **Web Developer (ASP.NET/Open Source)** | 03/01/2017 – 09/12/2017

* Key front-end developer for the Flight Attendant Dashboard, transitioning the project from Angular 1.6 Component Architecture to Angular 2/4.
* Utilized RXJS, WebApi, Bootstrap UI, Jasmine, Karma for unit testing, and TFS in a Scrum environment.
* Developed with C#, MS MVC (Razor), and WebAPI in an Angular/MVC Hybrid application.

**Centaurus** | Dallas/New Orleans, LA **Web Developer (ASP.NET/Open Source)** | 03/01/2016 – 10/17/2016

* Developed a Single Page Application with a Service Layer (WebApi, C#) for Flight Safety, presenting performance metrics and revenue reviews.
* Utilized C#, MVC, Angular, TypeScript, D3 for Graphs and Charting, Git, Karma, MSSQL, Linq to Entities (LinqPad), Jasmine, and TFS.

**OIS Inc/M12 Systems** | Houston, TX **Web Developer** | 11/01/2015 – 02/15/2016

* Developed a mini SPA front-end with Middle-Tier, DAL, and Service layer for a Charter Boat App.
* Technologies included MVC 4, AngularJS, CSS3, HTML5, WebApi 2/OData 2, EF6, MS-SQL, C#, Repository, LoDash, Bootstrap, and Factory patterns.

**OIS Inc/M12 Systems** | Houston, TX **Lead Developer/Architect** | 05/15/2015 – 10/25/2015

* Led development of the Ferrell Colony Manager app, an AngularJS SPA front-end with Middle-Tier, DAL, and Service layer.
* Utilized MongoDB, CSS3, HTML5, WebApi, EF6, MS-SQL, C#, Repository, and Factory patterns.

**Hexa-Group/SLB project** | Houston, TX **Sr. .NET Developer/Architect** | 02/15/2015 – 05/01/2015

* Architected and developed Middle-Tier and Data Access Layer using Code First and Repository Design Pattern.
* Performed integration work using .NET WebApi2 and consumed Siebel with Web Services via C# and WSDL.
* Worked with Visual Studio 2013, MVC (Razor), TFS 2013, MS-SQL 2013, WebStorm, C#, .NET, Entity Framework 6, Linq to Entities (LinqPad), MongoDB, and custom SPA Architecture.

**Int Tech/Stewart Title project** | Houston, TX **Sr. .NET Developer with Agile** | 09/15/2014 – 02/01/2015

* Served as Lead Developer/Architect for a Standalone Order Entry application, a responsive SPA using CSS3, HTML5, ASP.NET/MVC 4, Hot-towel SPA template, Breeze, AngularJS, JSON, and WebAPI2.
* Implemented MVC, Abstract Factory, Factory, Observer, and Iterator design patterns with Oracle and MSSQL back-ends.

**Oxford/Sunoco Project** | Sugarland, TX **Sr. .NET Developer with Agile** | 04/01/2014 – 08/15/2014

* Primary Developer for the LEAP application (Oil Lease Management tool), focusing on bug fixing and enhancements.
* Utilized ASP.NET 4.0 with MVC architecture, C#, SQL 2008, and heavy JQuery.
* Applied MVC, Abstract Factory, Factory, Observer, and Iterator design patterns.

**Royal & Ross/Hartigen Project PowerOptix** | Houston, TX **Sr. Developer with Scrum** | 11/01/2013 – 01/10/2014

* Provided bug fixes for the PowerOptix application and developed two modules for PJM, a regional transmission organization.
* Used MVC 3, a custom Code Accelerator, AngularJS, Bootstrap, and JavaScript.

**Artech/HP Project CLQR** | Houston, TX **Sr. .NET Developer with Agile** | 04/2013 – 10/31/2013

* Developed the Scheduling System for CLQR (Factory Defect Tracking & Reporting System) using MVC4, JQuery, OO JavaScript, Knockout, Breeze, JSON, AJAX, Ninject, WebGrease, WebApi, and Entity Framework 5.
* Architected the data access layer using Repository and Unit-of-work patterns.
* Utilized MVC, Abstract Factory, Factory, Observer, and Iterator design patterns.

**M12 Systems** | Houston, TX **Sr. .NET Developer** | 09/2012 – 03/15/2013

* Researched MVC 4, Entity Framework 4+, Telerik Kendo-UI, and mobile technologies.
* Consulted for G.H.C.A. on website redesign projects using MVC4, Repository, and Unit-of-work pattern architecture.
* Developed a bug tracking module for Pinot’s Palette LLP and performed performance tuning on database indexes.
* Contracted for RealEC project, performing MVC 3, JQuery, Knockout, and N-Hibernate development.

**ISolutions (Client: Hewlett Packard)** | Houston, TX **Senior .NET Developer** | 06/2012 – 08/2012

* Contributed to the architecture of a Product Registration Application using MVC 3; utilized TFS for bug tracking and task assignment.

**ObjectWin Technologies (Client: United Airlines)** | Houston, TX **Senior .NET Developer** | 03/2012 – 05/2012

* Developed the Catering Management App using VS 2010, C#, MVC3, WCF, Service, Unit of Work, and Repository Patterns, TFS, EF4, JavaScript, and JQuery.

**Avanade Technical Services (Client: MD Anderson C.C.)** | Houston, TX **Senior .NET Developer** | 01/2010 – 12/2011

* Developed and supported the ‘Clinic-Station’ EMR application, utilizing WPF, Win-Forms, Visual Studio 2010/08, TFS, and C#.
* Implemented modules with Unit-Testing and web service development based on Avanade Connected Architecture (ACA) for MVVM and MVPC.
* Managed XML integration between Clinic-Station and Dr. First for electronic prescription.
* Resolved a critical Team Build bug, significantly improving the build process.

From 01/2000 to 12/2009 I did contract work as a .NET Developer for several companies.