# Michael R. Wassermann

**Full Stack, Senior Web Developer (.NET) & AI Generalist**

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Developer Portfolio [https://rc-dev-portfolio](https://rc-dev-portfolio/)   
Blazor: https://mikew194.github.io/bz-gh-pages-app/

## Summary

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. Current focus includes Generative AI tools, React, Python, Github Models, Data-bricks and AI Vendors.

## 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, 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, Visual Studio 2022/2026 Insider, VS Code, PyCharm  
**AI/ML:** Open-AI, Generative AI Tools, Copilot AI, BlackBox AI, AI in Project Management, LangChain Agent Development, Django, Flask, .NET AI, GitHub Pages and Models.

## Professional Development

* **LinkedIN 2025:** Angular Essential Training (Ng14+), Containers with .NET and Docker, C# Design Patterns, Python for AI Agents, OOP for Python.
* **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
* **Tools** – Storybook, PostMan, LinqPad
* **Avanade Technical Education:** ASP.NET (2010, 2011)
* **Python:** Gen AI with Flask, Django, PyCharm
* **GenAI Certification:** Carrier Amends LLC

## 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 Freelancer| 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). Visual Studio 2026 AI Templates
* Explored the application of AI in Project Management and Full Stack Development, Python for AI Agents development. LangChain for Agent Development, GitHub Models, Flask and Django and PyCharm. I am using GitHub and GitHub Models to Prototype and integrate models into Python.
* Freelancing, see portfolio for Angular and react projects. Soon to add Python/AI

**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 with Modern Architecture and Design Paterns.
* 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 with CosmosDB.
* Utilized Angular 11, Dot-Net, WebApi, EF 6, MSSQL, PrimeNG, Material, Blazor, Core 6, and SSRS. Exposure to StoryBook which released in mid 2024
* 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 with Modern Architecture and Design Paterns.
* 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 Freelancing** | Conroe, TX | 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 Freelancing** | Conroe, TX | 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 **Freelancing** | 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.   
  
  
**Cover Letter**

Full Stack developer with 20+ years in software design, development and integration. Logical and professional with excellent problem-solving skills. Methodical Full Stack Developer offering abundant experience with Microsoft technologies for various types of organizations. Extensive background in Web Front-End, Middle Tier, and Back-End application design and development.

Architecture using Micro Front-ends and Micro-services with Angular. Innovator with deep knowledge of latest industry trends and advancements, see my Linkedin article.  
  
While at Hexaware, my manager wanted us to learn React, Python and AI; when I got laid off from Hexaware, I took time off to continue working on these skills, and have been doing that ever since. I underestimated the Job market and have been looking for work since mid 2024.

Skilled in using problem-solving and critical thinking skills to modify and innovate programs for computer applications. Hard working and passionate job seeker with strong organizational skills eager to secure senior-level Full Stack position. Ready to help team achieve company goals. Detail-oriented team player with strong lead developer skills. Ability to handle multiple projects simultaneously with a high degree of accuracy. To seek and maintain full-time position that offers professional challenges utilizing technical and interpersonal skills.  
  
Team lead using Agile and Scrum in a Microsoft environment. I would recommend using Docker Components this will solve several on-boarding and technology conflicts. Also, my style is more like a coach, a good coach knows his players and their skills and how to use them. Many software leads fail on this point.

I am also Beta Testing, Googles Project IDX, development tools. In spite of the fact that its in Beta, I like better that several tools I have been working with. Think of it as Vs Code in the Cloud with Genesis API, when it releases it will be awesome and be sure to check out my LinkedIN profile for my latest articles.  
   
OpenAI Integration, AI assisted development with, Gemini, Copilot, and others. Here is how I used AI: Ai Assisted Development, In design meetings with the client, I can use AI to create a project outline in minutes, print it out and go over the requirements further refining the project. For project migration, I can capture the existing application then change the technology and crate the app based on the requirements.

I specialize in the Following:  
FE: Angular 2 to 19, Blazor 3.1 to 8, React JSX/TSX and MVC with DotNET/core.   
MT: WebApi/REST, Node/Express  
BE: MSSQL and MongoDB  
  
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