Mark Entingh
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[GitHub](#) | [Portfolio](#) | [Datasilk](#)

Professional Summary

I'm a seasoned Full-Stack .NET Web Developer with over 25 years of experience building scalable and efficient software solutions. While I have deep expertise in Microsoft technologies, I also actively leverage open-source frameworks like React and Next.js to create dynamic and high-performing applications. My background spans software architecture, cloud infrastructure, database engineering, UI/UX design, system optimizations, and project management. I've led development teams, mentored engineers, and executed large-scale software migrations, always focused on delivering intuitive, high-quality solutions.

Beyond web development, I'm passionate about AI and VR. In my free time, I develop AI agents using OpenAI and Qwen APIs to assist in writing books and am also building a VR game using Unreal Engine 5 and Blender 3D. I'm always looking for ways to push the boundaries of technology and explore new innovations.

I'm currently seeking opportunities where I can apply my expertise in software engineering while collaborating with forward-thinking teams.

Core Competencies:

- Full-Stack Web Development
    - C#, ASP.NET 8.0 MVC, API Controllers, Razor
    - React 19, NextJS 15, Vite, Webpack, Angular 18, Vue.js, jQuery
    - HTML5, CSS, LESS, SSAS, JavaScript
- Cloud Architecture
    - AWS (Cloud Formation, EC2, Lambda, Fargate, ECR & ECS, SQS, RDS, ELB, Elasticsearch)
    - Azure (App Services, Blob)
- Data Engineering (SQL Server 2022, Dapper / Entity Framework, SQLite, MongoDB)
- UI/UX Design & Optimization (Photoshop, Illustrator, Affinity Designer, Figma, Miro)
- Software Architecture & Documentation (SOLID principles, Multi-threading, Markdown)
- Agile Project Management & Mentoring (Asana, Jira, Slack)
- System Performance & App Responsiveness Optimizations (DevOps, SQL Queries, C#, JavaScript)
- Software Migration & Deployment (CI/CD via Azure DevOps, AWS CloudFront)
- VR Game Development (Unreal Engine 5.5, C++, HLSL/GLSL, Blender 3D)
- AI Agent Development (n8n, NodeJs + AI APIs, Browser Use)

Professional Experience

Senior Software Engineer (remote 1099 contractor)

Image Makers, Inc - Remote | June *2023 – March 2025*

- Lead a small back-end development team in India on four web projects
- Prepared software architecture for several .NET Core/React/NextJS projects at the beginning of their development life-cycle
- Maintained git repositories and our CI/CD using Azure DevOps & Azure App Services, approving git PRs, optimizing deployment pipelines, and diagnosing issues with microservices
- Ensured code quality and mentored team members to improve their core skills
- Worked with project managers using Asana, Figma, & Slack to meet our client expectations
- Configured NextJs & React for optimal settings in a production environment
- <u>Back-end Technologies used</u>: C# & ASP.NET 8.0 (MVC, REST APIs, Swagger), Dapper, Entity Framework Core, SQL Server 2019, Microsoft Identity & Active Directory, Azure DevOps, CI/CD, git, Azure App Services
- <u>Front-end Technologies used</u>: React 18, NextJs 15, Redux, NodeJs, Webpack & Babel, HTML, CSS, Schema.org
- Worked remotely from various locations, including the Philippines, Indonesia, and Taiwan

Senior Software Engineer (remote)

HCSS – Houston, TX | *March 2022 – June 2023*

- Lead a development team and hired to improve our heavy construction blueprint software built for the web using .NET Core MVC REST APIs & AngularJs.
- Upgraded our legacy .NET Core 2.0 app to .NET 6.0 and redeployed using CloudFormation.
- Lead the implementation of React 17 to gradually replace our existing AngularJs front-end, replacing various AngularJs components with React components.
- Deployed and managed cloud infrastructure via Azure DevOps Pipelines.
- Developed integration tests for various app features & user interactions using Cypress.io, ensuring the stability of our application each time we released a new version
- Optimized .NET APIs to deliver smaller data structures, improving application performance and reducing bandwidth across the database, web server, and user's web browser.

Implementation Consultant (remote)

Revalize – Remote | *February 2021 – March 2022*

- Customized in-house 2D/3D platforms for client-specific needs using Angular 15, SQL Server 2018, Unity 3D, and C#.
- Collaborated with project managers in an Agile environment, integrating Microsoft DevOps CI/CD workflows.
- Enhanced 3D visualization tools for industrial equipment configuration.

Software Engineer

Breckpoint, Inc. – Las Vegas, NV | *October 2018 – August 2020*

- Led architecture development for a next-gen web application using ASP.NET Core, AngularJs, Entity Framework, Dapper, and SQL Server 2018.
- Authored documentation on front-end/back-end architecture and software development processes.
- Provided mentorship to developers, ensuring code quality and best practices.

Software Engineer / Founder

Datasilk | *January 2017 – December 2023*

- Developed open-source projects (as my own personal passion projects) including:
  - **Saber** – A content management system built with ASP.NET Core and SQL Server.
  - **Kandu** – A Kanban tool inspired by Trello.
  - **Legendary** – A journaling and book publishing web application.
  - **Tapestry** – A CSS/LESS UI framework
  - **Selector.js** – A jQuery clone weighing in at 6kb
  - **Collector** – A research tool used for collecting & organizing data from websites

.NET Web Developer

FreightCenter Inc. – Palm Harbor, FL | *January 2017 – September 2017*

- Rebuilt the Transit Management System (TMS) from scratch while integrating 50+ third-party Web APIs from various shipping companies, all done within four months.
- Migrated 1.6M+ user accounts and historical data to a new system.
- Technologies Used: ASP.NET Core MVC & APIs, C#, Razor, Dapper, SQL Server

Senior Web Developer

GoSolid – Seattle, WA | *July 2016 – November 2016*

- Developed front-end and back-end solutions for a Magento 2.1 e-commerce website.
- Optimized performance and implemented AWS cloud solutions.

Senior Web Developer

Extreme Arts & Sciences – Seattle, WA | *September 2015 – May 2016*

- Migrated and optimized Magento-based e-commerce websites using AWS and Azure.
- Built and maintained .NET Web Forms applications with Microsoft Azure integration.

Founder/CEO

Rennder, Inc. – Las Vegas, NV | *September 2011 – April 2015*

- Secured funding for a SaaS-based website builder, developing the platform from the ground up using ASP.NET Web Forms, JavaScript & SQL Server.
- Led a development team and managed all aspects of software architecture.

Freelance Web Developer

1999 – 2009

- Delivered full-stack web solutions for various industries, from e-commerce to custom CMS platforms.
- Developed and maintained client websites, working with .NET, PHP, and JavaScript technologies.
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Education & Certifications

- Self-taught software engineer with 25+ years of professional experience
- Various professional development courses in software architecture and cloud computing

Additional Information

- Authorized to work in the U.S. for any employer
- U.S. Citizen

Professional References

Manager Name: **Michael Golden**
Company Name: **Image Makers, Inc.**
Manager Title: **Director of Software Engineering**
Manager's work number: **602-881-8129**
Manager's work email: **michaelg@imagemakers-inc.com**
LinkedIn Profile: https://www.linkedin.com/in/michaelgolden/
Manager relationship: **My Supervisor**

Manager Name: **Kamran Bumbia**
Company Name: **HCSS, Inc.**
Manager Title: **Software Development Supervisor**
Manager's work number: **713-822-2769**
Manager's work email: **kamran.bumbia@hcss.com**
LinkedIn Profile: https://www.linkedin.com/in/kamranbumbia/
Manager relationship: **My Supervisor**

Manager Name: **Tony Petersen**
Company Name: **Revalize**
Manager Title: **Project Manager**
Manager's work number: **605-868-8351**
Manager's work email: **tony.petersen@revalizesoftware.com**
LinkedIn Profile: https://www.linkedin.com/in/tony-petersen-a13041209/
Manager relationship: **My Supervisor**