

Josh Marsh

Full Stack Developer & Technology Leader

3205 Greenbriar Ln NE, Bemidji, MN 56601 • (218) 556-2934 • jmarsh333@gmail.com • LinkedIn:
linkedin.com/in/joshmarsh

PROFESSIONAL SUMMARY

Career Full Stack Developer and Technology Leader with over 20 years of diverse experience spanning frontend to backend development, cloud infrastructure, and AI solutions. Certified Project Management Professional with proven expertise in leading teams and delivering scalable enterprise solutions. I pride myself in bridging the gap between client requirements and developing end products that match their needs through careful analysis, clear communication, and iterative development.

PROFESSIONAL EXPERIENCE

2025 - Present

Associate Director, Technology

Omnicom Production (Remote)

Leading technology initiatives and delivering innovative solutions for major enterprise clients. Retained position and responsibilities during company transition from Designory to Omnicom Production umbrella.

- Dynamic Video Editing Software development
- Enterprise CMS systems implementation
- WebGL applications and interactive experiences
- Asset Review and Approval Workflow Management systems
- Adobe integration and workflow solutions

2023 - 2025

Associate Director, Technology

Designory, Chicago, IL (Remote)

Led technology initiatives and managed client relationships. Oversaw strategic technology decisions and mentored development teams while maintaining direct client engagement.

2022 - 2023

Lead Engineer, Technology

Designory, Chicago, IL (Remote)

Spearheaded engineering efforts and mentored development teams. Involved technical leadership, code review processes, and ensuring development best practices across multiple projects.

2021 - 2022

Senior Engineer, Technology

Designory, Chicago, IL (Remote)

Took on complex technical challenges and began mentoring junior developers while contributing to architectural decisions.

2020 - 2021

Engineer, Technology

Designory, Chicago, IL (Remote)

Joined Designory to re-hone development skills after project management focus. Demonstrated consistent growth and technical leadership through rapid promotions.

2002 - 2020

Programming Manager

Pro-West & Associates Inc., Walker, MN

Advanced through various roles including software developer, senior software developer, project manager, and programming unit manager. Successfully executed hundreds of projects across diverse industries including forestry, 911 dispatch, transportation, health care, agriculture, and environmental sciences.

Major Client Projects:

Ann Arbor Technical Services (ATS)

Multi-disciplinary consulting firm in chemistry and environmental science:

- Developed mobile data collection application for soil samples and USDA information
- Created data synchronization system to central SQL Server database with laboratory integration
- Built web application for data viewing, downloading, querying and quality control
- Developed chemistry instrument data upload system with EPA report generation
- Technologies: MVC C#.NET, SQL Server, 50+ tables, millions of records, 100+ complex views

Southern Minnesota Beet Sugar Cooperative (SMBSC)

Farmer-owned producer with 500+ shareholders producing 3 million tons annually:

- Developed web applications using MVC C#.NET and Microsoft SQL Server
- Implemented client-side Esri JavaScript libraries and HTML5/CSS3
- Created applications for field measurements, cover crop research, soil sampling
- Built real-time harvest tracking system processing millions of GPS coordinates
- Developed Python scripts for data cleansing and integration

United States Library of Congress

Largest library in the world and main research arm of U.S. Congress:

- Designed and deployed full enterprise Esri Server software to Amazon AWS
- Created architecture diagrams and configured dozen+ Windows and Red Hat Linux VMs
- Designed optimal AWS security groups and load balancers
- Migrated database storage from Microsoft SQL Server to PostgreSQL
- Configured Red Hat Linux VM with PostgreSQL and Active Directory integration

TECHNICAL SKILLS

Programming Languages & Frameworks

C# .NET, MVC.NET, Python, JavaScript, PHP, VB.NET, VBScript, Visual Basic

Web Development

React, NextJS, Angular, HTML5, CSS3, jQuery, Bootstrap, WebGL, REST APIs, Web Services, ADO.NET, Entity Framework

Database Technologies

SQL Server, PostgreSQL, MySQL, Oracle, Fluent Migrator, Microsoft Access/VBA

Cloud & Infrastructure

AWS, Azure, Windows Server, Red Hat Linux, IIS, Apache, SSL, Tomcat, MS HyperV

AI & Modern Technologies

fast.ai, langchain, AI Development, Mobile Development, Android Development

Enterprise & CMS

Optimizely, Sitecore, Kentico, MS SharePoint, AirTable, MS CRM, MS Dynamics SL

Project Management & Tools

Agile Methodology, MS Project, MS Visio, Lucid Charts, JIRA, Git, Nuget, Gulp

Business & Communication

Project Time/LOE Estimation, Scope Writing, Technical Documentation, Custom Training, Team Leadership

EDUCATION & CERTIFICATIONS

Bachelor of Science - Computer Science, Minor - Mathematics

Bemidji State University, Bemidji, MN (1998-2002)

Project Management Professional (PMP) - License #1575759

Certified Project Management Professional

ADDITIONAL INTERESTS

Assistant instructor at Bemidji Total Martial Arts Academy. Hold 4th degree black belt in TKD, 2nd degree in Hapkido, 1st degree in Kumdo, and blue belt in Brazilian Jujitsu. Passionate about mentoring and providing guidance to students facing challenges.