

ROBERT R. MARONA

Principal & Lead Web Application Developer

Westchester Media Works, LLC

Montrose, NY

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PROFESSIONAL PROFILE

Principal and Lead Developer of Westchester Media Works, LLC, providing custom web, interactive, and kiosk-based application development for cultural institutions, financial organizations, educational institutions, and commercial clients. Brings extensive experience delivering production-grade systems deployed in high-visibility, public-facing environments. Frequently serves as an embedded technical contributor within multi-organization project teams, collaborating with designers, fabricators, and stakeholders to ensure secure, maintainable, and reliable solutions.

ORGANIZATIONAL ROLE

Westchester Media Works, LLC | Montrose, NY

Principal & Lead Web Application Developer

2013 – Present

Sole technical lead and responsible party for all software architecture, development, deployment, and ongoing support services provided by Westchester Media Works, LLC.

SELECTED RELEVANT EXPERIENCE

Custom Web Platforms & CMS Development

Designed and developed proprietary web-based platforms and custom CMS solutions using PHP, MySQL, JavaScript, HTML5, CSS3, AJAX, and JSON, including an online membership and content delivery system with over \$1M in earnings potential, integrated with a highly customized WooCommerce implementation and bespoke WordPress plugins.

Interactive & Kiosk Applications

Developed secure Windows-based UWP and WPF applications in C# for public kiosks, including kiosk lockdown, automated power management to reduce operational costs, and support for holographic 3D displays with automated 2D-to-3D image conversion.

Museum & Institutional Installations

Delivered interactive applications deployed in million-dollar permanent exhibits for high-profile institutions including the Pro Football Hall of Fame and the Federal Reserve Bank of Philadelphia, designed for continuous public use and long-term reliability.

Infrastructure & Hosting

Built and maintained secure Ubuntu 24.04 development environments and configured AWS Lightsail instances for hosting and deployment of production systems.

RELEVANT PRIOR EXPERIENCE (SELECTED)

Director of Interactive Media — DMCD, Inc. (Museums & Exhibits)

Led interactive software design and development for permanent and traveling museum installations. Responsibilities included system architecture, project management, audiovisual coordination, and supervision of domestic and international installations. Served as the primary technical developer for long-term interactive systems for institutions including the Federal Reserve Banks of New York and Philadelphia and the Pro Football Hall of Fame, providing continuity of support through project lifecycles and subsequent organizational transitions.

TECHNICAL SKILLS

- **Web Technologies:** WordPress, PHP, MySQL, JavaScript, jQuery, HTML5, CSS3, AJAX, JSON
 - **Application Development:** C#, UWP, WPF
 - **Infrastructure:** Ubuntu Server, AWS Lightsail
 - **Creative Tools:** Adobe Creative Cloud (graphics, video, audio)
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RECOGNITION

- Best of Montrose Award — Website Designer (2023)
- DMCD Annual Rusty Award — Technological Excellence