Tyler H. Van Wagener

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Eligible for Clearance with Sponsorship

PROFESSIONAL & PERSONAL SUMMARY

Software engineer with 4 years of full stack development experience using C# and .NET, plus over 10 years of programming through academic and personal projects. Known for strong problem-solving, rapid learning, and efficient communication. Enjoy building backend systems, debugging complex issues, and working with teammates to deliver fast, maintainable code. Thrive in high-pressure environments where quality and performance matter.

TECHNICAL SKILLS

Programming Languages & Tools:
C#, HTML, CSS, JavaScript, SQL, Python, Java, C++, .NET Framework MVC/Webforms, ASP.NET Core, Visual Basic, NodeJS, jQuery

Databases & Cloud Platforms:
Microsoft SQL Server Management Studio, Azure DevOps, GitHub, Microsoft Dynamics CRM

System Integration & Automation:
API Development & Integration, XML Data Transfers, Sitefinity CMS, Optimizely, PowerShell (basic knowledge)

Other Tools:
Figma, Jira, Wireshark, Unity, Godot, Linux

EXPERIENCE

Specialist, Web Development at CompTIA July 2021 - January 2025

- Led full stack .NET development (C#) for multiple enterprise-grade, user-authenticated association websites, enhancing scalability and user experience.
- Gathered requirements from internal stakeholders (Events and Membership Teams) and translated them into technical specifications and deliverables.
- Developed, deployed, and maintained web applications and responsive design features using ASP.NET WebForms, MVC, HTML, CSS, JavaScript, and Bootstrap.
- Created, tested, and implemented new CMS-driven modules within Sitefinity, enabling non-technical users to manage training content without developer support.
- Established and maintained Azure DevOps pipelines for source control, continuous integration, and automated deployment of web applications.
- Designed and built database-driven functionalities using Microsoft SQL Server, ensuring secure and efficient data storage and retrieval.
- Conducted routine bug fixes, code optimizations, and security enhancements following industry best practices.
- Developed iframe-based form applications to sustain legacy system functionalities during CMS transitions.
- Supported annual premier event operations by creating and updating event registration forms, floor plan tools, and exhibitor management systems.

- Ensured consistent adherence to industry-standard web architecture, coding practices, and security protocols.

EDUCATION

Bachelors of Science, Computer Science, Illinois Institute of Technology, Graduated 2021
- Four-year member of IIT Men's Swim Team, including Conference Champions in February 2020 and record-breaking 4x100 Medley Relay Team

PERSONAL WORK

- **Discord AI Fantasy Bot:** Created a bot integrating OpenAI and ElevenLabs APIs for real-time fantasy storytelling.
- **Anime Reminder App:** Developed a Python-based GUI application for weekly anime release tracking.
- **Cosplay Photography Review Site:** Developing a web application for reviewing cosplay photographers. Created using .NET Core 9.0

TRAINING AND CERTIFICATIONS

Title	Conducted by:	Completion
Google Cybersecurity Professional Certificate	Coursera	Completed Feb 2025
CompTIA Security+	CompTIA	In Progress