

Tyler Caelwaerts

Green Bay, WI

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Portfolio: <https://tylercportfolio.netlify.app/>

Professional Summary

Results-driven **Software Developer** with expertise in **full-stack web development, system architecture, and process automation**. Strong problem-solving abilities in **JavaScript, TypeScript, SQL, and NoSQL databases**. Proficient in developing scalable applications using **React, Node.js, Express, and GraphQL**. Experienced in **Agile development, Test-Driven Development (TDD), and DevOps workflows**. Passionate about creating optimized solutions that enhance efficiency and user experience.

Technical Skills

- **Languages:** JavaScript, TypeScript, SQL, HTML5, CSS
 - **Front-End:** React.js, Phaser.js, Vite, HTML5, CSS3
 - **Back-End:** Node.js, Express.js, Apollo Server, RESTful APIs, GraphQL
 - **Databases:** MongoDB, PostgreSQL, MySQL
 - **DevOps & Tools:** Git, GitHub, Docker, Render, VS Code
 - **Security & Authentication:** JWT, OAuth, Role-Based Access Control (RBAC)
 - **Development Methodologies:** Agile, Test-Driven Development (TDD), CI/CD
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Projects

Treasure Bar Brawl <https://github.com/tiecaelwaerts/Treasure-Bar-Brawl> | <https://treasure-bar-brawl.onrender.com>

Developed a **turn-based RPG** with **dynamic battle mechanics, AI-driven enemy behavior, and an experience-based leveling system**. Designed an interactive UI for players to engage in **grid-based navigation and strategic combat**.

- **Tech Stack:** MERN Stack, Phaser.js, Vite, MongoDB, JWT Authentication

Adventurers Board <https://github.com/tiecaelwaerts/adventurers-board> | <https://adventurers-board.onrender.com/>

Built an **interactive tool for creating and managing Dungeons & Dragons character sheets**, featuring **real-time stat calculations, persistent storage, and user-friendly UI/UX**.

- **Tech Stack:** React, Node.js, Express, PostgreSQL, CSS, HTML5

Professional Experience

Advanced Medical Support Assistant | Jan 2024 – Present

Veterans Health Administration – Green Bay, WI

- **Managed electronic health record (EHR) systems**, optimizing **data processing** and **patient scheduling workflows**.
- Automated scheduling processes to **increase operational efficiency**.
- Ensured **data integrity, security, and HIPAA compliance** while collaborating with cross-functional teams.

Customer Service Representative | 2019 – 2020, 2022 – Present

Associated Bank – Green Bay, WI

- **Handled high-volume customer interactions (60-90 calls daily)** across online banking, loans, and business accounts.
- Managed **multi-system platforms** to resolve customer issues efficiently.
- Utilized **CRM tools** to document customer interactions and optimize resolution strategies.

Key Account Representative | 2021 – 2022

MultiPlan – De Pere, WI

- Researched and **resolved provider and client disputes**, leveraging **data analysis tools** for trend assessment.
- Managed **email and fax queues**, optimizing response times and resolution processes.
- Developed **workflow improvements** to enhance provider relations and operational efficiency.

Military Experience – Water Treatment Specialist (Team Lead) | 2006 – 2021

US Army Reserves

- Led teams in **operating and maintaining water purification systems**, ensuring **efficient resource management**.
- Diagnosed and resolved **technical issues in purification and distribution systems**.
- Utilized **GIS tools and data analysis** to optimize water sourcing and logistics.

Education & Certifications

Full-Stack Web Development Boot Camp Certificate – *University of Wisconsin-Madison*

Completed: March 13, 2025

- Hands-on training in **front-end/back-end development, database design, API integration, and Agile methodologies**.