

K. BAETEN

Software Engineer | Full Stack Development | Agile Methodologies | REST API Integration

📞 (920)379-7256

📍 Sturgeon Bay, WI

✉ katherinebaeten@gmail.com

EXPERIENCE

Software Engineer

Tanduo, Inc.

📅 07/2024 - 04/2025 📍 Remote

- ◆ Developed and maintained internal and customer-facing applications using C#, .NET Core, ADO.NET, EF Core, and React.js, improving application reliability and maintainability.
- ◆ Built RESTful APIs and integrated backend systems, contributing to a platform used by 5,000+ users.
- ◆ Collaborated with cross-functional teams to identify and resolve production issues, reducing bug-related support tickets by 30%.
- ◆ Participated in agile ceremonies, backlog grooming, and sprint reviews to ensure continuous delivery and iterative improvement.
- ◆ Refactored and documented legacy logic, increasing test coverage by 40% and improving onboarding efficiency for new developers.

Application Developer

Therma-Tron-X

📅 08/2022 - 07/2024 📍 Sturgeon Bay, WI

- ◆ Designed and delivered internal tools in C#, .NET, Blazor, and WinForms to streamline operations across accounting, shipping, and IT departments.
- ◆ Built an OCR-powered PDF processing system integrated with Outlook and IIS, reducing invoice processing time by 80% and saving an estimated 10+ hours/week for accounting staff.
- ◆ Developed a Blazor-based shipping form system to replace manual workflows, eliminating handwritten documentation and reclaiming 40+ hours/month for the shipping team.
- ◆ Created a WinForms help desk app that auto-formatted tickets, captured screenshots, and increased IT resolution rates by 25%.
- ◆ Led end-to-end development: gathering requirements, designing architecture, deploying solutions, and conducting user training.

Art Instructor & Curriculum Designer

Peninsula School of Art

📅 05/2015 - Present 📍 Fish Creek, WI

- ◆ Designed and taught beginner-level, medium-specific art classes for all ages and skill levels, creating adaptable lesson plans and materials for groups ranging from 5 to 50+ participants.
- ◆ Developed responsive, flexible curriculum aligned with current Artists in Residence, supporting cross-disciplinary learning and studio relevance.
- ◆ Facilitated monthly Family Art Days, serving children aged 3–17 and their families; coordinated hands-on experiences that balanced instruction with open-ended creativity.
- ◆ Prepared and managed materials, demos, and instruction in real time without prior knowledge of group size or skill mix.
- ◆ Applied iterative planning and user-focused design thinking to create inclusive, engaging experiences for diverse learners—skills directly transferable to frontend and UX-oriented development.

SUMMARY

Experienced software developer with a passion for building scalable, maintainable systems that solve real-world problems. Skilled in full-stack development using technologies like C#, .NET, JavaScript, and React, with a strong foundation in system design, API development, and user-centered thinking. My background in art sharpens my ability to recognize patterns and design intuitive interfaces, while my experience in education strengthens my communication and problem-solving skills. I bring a blend of logic and empathy to cross-functional teams and believe the best software is built through iterative development, collaboration, and thoughtful architecture.

TRAINING/EDUCATION

Full Stack Web Development Certificate
MIT XPro

Bachelor of Science in Art Education
University of Wisconsin, Madison

TECHNICAL SKILLS

- ◆ Proficient in C#, .NET, .NET Core, ASP.NET, ADO.NET, and Entity Framework Core.
- ◆ Experienced in JavaScript (ES6+), React.js, Blazor, HTML5, CSS3, and WinForms.
- ◆ Skilled in RESTful API development, SQL Server, and MVC architecture.
- ◆ Familiar with Git, GitHub, Visual Studio, Postman, Docker, and GitHub Actions.
- ◆ Strong understanding of responsive design, accessibility (WCAG), and cross-browser compatibility.
- ◆ Knowledgeable in Adobe Creative Suite, including Photoshop and Illustrator.
- ◆ Experience with unit testing, manual testing, and debugging tools.
- ◆ Comfortable working in Agile/Scrum environments and collaborating with cross-functional teams.

LANGUAGES

English

Native

KEY ACHIEVEMENTS

◆ Full-Stack Application Development for Internal Tools

Built and maintained cross-functional web applications using modern technologies, enhancing maintainability and performance across departments.

Developed and maintained full-stack applications using C#, .NET Core, ADO.NET, EF Core, and React.js, improving overall system responsiveness and maintainability.

◆ Automated Invoice Processing System

Designed and deployed an OCR-integrated tool to streamline PDF invoice handling. This initiative significantly reduced manual labor and improved processing time.

Built an automated PDF and email routing system using C#, Interop services, and OCR plugins, cutting invoice processing time by 80% and saving the accounting team 10+ hours per week.

◆ Shipping Workflow Modernization

Created a web-based tool to digitize and automate shipping intake, replacing inefficient paper-based methods. Developed a Blazor app that collected and distributed shipping data in real time, replacing handwritten notes and reclaiming 40+ hours/month for the shipping department.

◆ Help Desk Ticketing System Enhancement

Improved IT support efficiency through a custom WinForms tool that standardized ticket submissions and enriched technical context.

Built a WinForms application that auto-formatted tickets and captured multi-monitor screenshots, reducing IT triage time by 25% and increasing first-pass resolution rates.

◆ Modernization of Legacy Codebases

Refactored outdated business logic into modular, testable services, helping to reduce bugs and improve overall system health.

Translated legacy business logic into modern .NET Core services, increasing unit test coverage by 40% and reducing production bug frequency.

◆ Agile Collaboration & Delivery

Actively contributed to agile workflows to support on-time, high-quality software delivery.

Participated in sprint planning, code reviews, and deployment processes using GitHub, improving delivery speed and development team coordination.

◆ API Integration & Frontend Optimization

Connected backend data to the frontend efficiently through API integration and state management.

Integrated RESTful APIs into React interfaces, enhancing real-time data accuracy and reducing API-related frontend errors by 30%.

◆ Legacy System Migration & UI Enhancement

Assisted in transitioning outdated technologies to modern, scalable frameworks, improving system performance and user experience.

Contributed to migrating a legacy Silverlight/VB.NET platform to React and .NET Core, enhancing UI responsiveness and long-term maintainability.

◆ Adaptive Curriculum Development for All Ages

Created flexible, inclusive art curricula for multi-skill learners, designed to align with current art programming.

Designed medium-specific beginner art courses with adaptable lesson plans for mixed-ability groups, integrating with ongoing Artists in Residence programs.

◆ Live Instruction for Community Art Programs

Led hands-on creative workshops for large, diverse groups in real-time, showcasing the ability to adapt content delivery quickly.

Facilitated Family Art Day events with attendees ages 3–17+, preparing materials and instruction to accommodate 50+ participants with varying experience levels.