

Brett Affolder

🏠 Fort Wayne, IN | 📞 260.525.1579 | ✉️ brett@brettaffolder.com | 🌐 brettaffolder.com

PROFESSIONAL SUMMARY

Software developer with 10+ years of experience designing and implementing custom business systems across manufacturing environments. Specializes in full-stack .NET development, from database architecture to front-end interfaces. Proven track record of building end-to-end solutions including inventory systems, purchasing platforms, and cost-of-goods reporting tools that drive operational efficiency.

TECHNICAL SKILLS

Languages : C#, Visual Basic, XAML, SQL

Frameworks : .NET (WinForms, WPF, UWP, WinUI, ASP.NET, Blazor, MAUI)

Databases : SQL Server, MySQL, MongoDB, Azure SQL, Azure Cosmos DB

Tools & Technologies : Git, Visual Studio, Azure (CLI, Key Vault, Blob Storage, Service Bus, Communication), Microsoft Office (Word, Excel, PowerPoint), Microsoft Entra

EXPERIENCE

Hoosier Pattern Inc

2020 – 2026

Software Developer

Decatur, IN

- Architected and developed a full-cycle purchasing system from the ground up, improving purchase order efficiency by 50% by eliminating manual form generation
- Engineered a barcode-based inventory tracking system with automated low-stock alerts, reducing production downtime by 20% and shipping costs by 15%
- Built a cost-of-goods reporting application integrating machine data, achieving nearly 99% costing precision
- Designed a maintenance work order management program from scratch, reducing labor overhead and preventing costly machine failures through proactive scheduling
- Developed a production equipment reservation system that optimized machine utilization by 50% by eliminating scheduling guesswork
- Improved shipping operations by automating label generation, cutting label creation time in half and reducing shipping errors by 15%
- Implemented a work-in-process tracking system that prevented lost labor hours by providing centralized, accurate visibility into item locations throughout manufacturing

FCC (Adams)

2017 – 2020

Engineering Coordinator

Berne, IN

- Developed internal software systems supporting multiple manufacturing divisions, reducing manual reporting by 40% through automation
- Led data collection and analysis for quality review investigations, improving customer transparency with data and rapid countermeasure turnaround
- Created a resource tracking system extending die life through improved maintenance protocols, reducing overall spending by \$1,000,000/year
- Partnered with engineering leadership to overhaul production tracking and reporting workflows, saving 30-40% labor hours while improving data accuracy by 25%
- Collaborated with department managers to build board-level budget presentations, managing multi-million-dollar departmental budgets

EDUCATION

Ball State University

2013 – 2017

Bachelor of Music

Muncie, IN

- **Honors:** Lead trumpet, Montreux Jazz Festival (2017)
- **Ensembles:** Jazz Band, Symphony Band, New Music Ensemble, Trumpet Ensemble
- **Skills:** Analytical pattern recognition and disciplined practice habits foundational to software development