

Griffin Smith, Application Architect

586-219-2050 · griffin.smith.dev@gmail.com · griffin-smith.dev

Summary:

Software engineer with four years of professional experience building production systems in C#, .NET Core, and SQL. Currently Application Architect at a manufacturing distributor, responsible for full-stack web applications, REST APIs, mobile applications, ERP integrations, and active Business Central AL extension development throughout an ongoing ERP migration.

Professional Experience:

Midwest Fastener Corp., Application Architect – Portage, MI 2023-Present

- Architected and maintained the backend BFF API for a sales rep-facing mobile application available on iOS and Android via the App Store and Google Play, with active Flutter UI development across both platforms.
- Developing AL extensions for cloud-hosted Microsoft Business Central to integrate with the company's on-site WMS, including order posting and fulfillment workflows; built the Azure-authenticated API endpoint extension and set up the multi-tenant repository using the AL-GO template.
- Built and maintains an internal web application providing a modern interface over the company's AS400 ERP, replacing direct terminal access for business users; leading active development throughout the transition to Microsoft Business Central.
- Architected and implemented an EDI integration web-service that reduced customer onboarding time from two weeks to one hour.
- Optimized processing speed by 40% in a VB.NET WinForms logistics application through profiling and targeted refactoring.
- Architecting the company's new Warehouse Management System end-to-end, from database design and layered n-tier architecture to the REST API consumed by a cross platform Flutter frontend for inventory receiving, allocation, and transfer.
- Implemented CI/CD pipelines using GitHub Actions for automated testing and deployment of IIS-hosted applications, APIs, and NuGet packages; built Docker-based test environments seeded with daily production backups.
- Designed a .NET unit testing suite to improve software reliability and reduce QA time; built Radzen and Entity Framework reporting dashboards for operational tracking.
- Regularly engages with executive and senior business stakeholders to translate requirements into technical proposals and timelines; leads onboarding and mentoring of new hires.

Consumers Credit Union, Project Developer – Kalamazoo, MI 2022-2023

- Built an ML.NET machine learning model and web service to automatically classify and route incoming support tickets to the correct department within 15 minutes.

Education:

Western Michigan University, B.S. Computer Science – Kalamazoo, MI April 2023

- Focus: Database Design, Data Structures, Memory Management, Website Development, Embedded Programming
- Dean's List: Fall 2021, Spring 2022

Key Competencies:

Programming Languages & Frameworks

- .NET: C#, Visual Basic, .NET Core, ASP.NET, WinForms, MAUI, Flutter, ML.NET, AL (Business Central)
- Other: SQL (MSSQL, MySQL, DB2, PostgreSQL), HTML5, JavaScript/jQuery | C, C++ (academic)

Cloud, DevOps & Practices

- Azure (Key Vault, Application Insights), Git, GitHub Actions, CI/CD, Docker, Entity Framework
- Agile/Scrum, TDD, Full-Stack Development, Microservices, RESTful API Design | GitHub Copilot, Claude AI

Community Service:

FIRST Robotics Competition, Judge Advisor 2024-Present

- Lead and organize the judging panel at regional and championship events; evaluate and report on technical robot design, team dynamics, and individual attributes of high school robotics teams.
- Train new judges, coordinate judges ahead of events, and oversee award deliberations.
- Inspire, evaluate, and report on technical robot, team, and individual attributes and qualities of high school robotics teams.