

Xavier A. Wells

Software Engineer | C# / .NET | Microsoft SQL Server

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Software Engineer experienced in C#/.NET and SQL Server for financial and retail ERP systems. Resolves customer-facing P1 incidents involving SQL performance, period-end close, and financial reporting.

EDUCATION

University of Texas at Arlington
Bachelor of Science in Computer Science | May 2022

EXPERIENCE

PDI Technologies | SWAT / ART

Software Engineer III - Advanced Resolution Team
Software Engineer III | Apr 2025 - Present | Remote
Software Engineer II | Dec 2023 - Apr 2025
Software Engineer I | Jun 2022 - Dec 2023

- Restored millions of dollars in invoices for period-end check runs after a production regression. Later developed a PowerShell script to apply the stored-procedure changes and data correction in one command for affected customers on different software versions, then completed the broader release-level fix.
- Replaced an import's per-row stored-procedure calls with set-based T-SQL. The import previously ran for 15+ minutes before timing out; it now completes in under 2 minutes.
- General-ledger processing took up to 3 hours and continued blocking other database operations after the UI timed out. Reworking site-account creation as a set brought processing below 10 minutes.
- Built custom harnesses to generate test data for the general-ledger site-account changes.
- Resolved authentication issues and an application bug in the Altria API integration, restoring customers' ability to process cigarette rebates.
- Regularly resolved P1 incidents related to database performance by tweaking query plans, optimizing stored procedures, and improving database health (such as improving statistics sampling and reducing index fragmentation). These issues often caused system-wide slowdowns that blocked period-end close.

TECHNICAL SKILLS

C#, .NET, WinForms, Microsoft SQL Server, T-SQL, PowerShell, Git
SQL performance tuning, API troubleshooting, Rebus/MSMQ, Claude-assisted development
Some experience with tSQLt (including mocking), RabbitMQ, and Angular

SELECTED PROJECTS

Pantry Manager

TypeScript, React, D1, Drizzle | Deployed personal project

A grocery and recipe progressive web app that syncs across devices. Supports barcode scanning and adding recipe ingredients to a shopping list, with caching for brief offline use.

Whiplash

Rust, audio analysis | Prototype

Exploring differences between versions of a song. The Rust prototype analyzes WAV files and aligns recordings with dynamic time warping to produce comparison reports. End goal: live tracking for musicians without a click track and in-depth version control of studio mixes.