

Matthew Spare

Software Developer and Consultant

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Professional Summary

Software developer and consultant with experience since 1997 building websites, applications, and database solutions for businesses, universities, and nonprofits. Combines C# and SQL development with recent work enabling users to create their own dashboards and applications through natural-language requests to Claude.

Technical Skills

Web and applications: C#, VB.NET, ASP.NET, HTML, JavaScript, .NET 10, APIs.

Data and platforms: SQL Server, MySQL, Mongo, Microsoft Access, Azure SQL Managed Instance, Salesforce.

AI and automation: Claude project rules, Power Apps, Power Automate, Azure Functions, Quartz.

Additional experience: OpenBD CFML, Classic ASP, SQL Server DTS, Dundas BI.

Professional Experience

Salomon & Ludwin

2013–Present

Software Architect

- Built 50 SQL endpoints and 10 Salesforce endpoints used in dashboards and applications. Wrote Claude project rules documenting endpoint parameters, scalar or multi-row return types, and data-fetching instructions.
- Enabled users to create HTML and JavaScript dashboards and applications through natural-language requests, including required minimum distribution (RMD) tracking filtered by FA, Ops, household, or portfolio.
- Built C# internal websites for data entry, document upload, storage, retrieval, and parsing into SQL tables; developed onboarding and custom stock-trading software.
- Created a data warehouse and data marts; moved local databases to Azure SQL Managed Instance. Developed APIs and integrations for financial platforms and market data.
- Created five Power Apps canvas apps, two data-driven apps, and five Power Automate flows. Built a .NET 8 Azure Function to import files, load data, and run transformations.

Apex Systems

2013–2022

Consultant

- C&F Financial | August–September 2022: Updated an internal client-facing website, resolved longstanding bugs, supported SQL Server migration, and optimized indexes and complex queries.
- University of Virginia | May 2015–May 2017: Supported MVC applications, migrated applications to Azure, and assisted with SQL table and procedure cleanup.
- Spider Management, University of Richmond | 2018–2019: Built database-connected reporting spreadsheets, reducing report preparation from days to seconds in many cases.
- Sheltering Arms | November 2014–October 2015, three months total: Built a web application from three paper forms, modeled the database, and implemented hierarchical permissions and scheduled integrations.

Earlier Experience

Royall & Co.

2008–2013

Consultant to Employee

- Developed a SQL solution synchronizing selected data across more than 900 databases, with business rules, validation, logging, optimization, and error handling. The system managed more than 20,000 data pushes per year.
- Worked on the Import/Export Program Assistant, a C# suite of web applications, web services, and Windows services supporting college recruitment campaign workflows.
- Collaborated with Java developers on address-scrubbing integrations. Contributed to an OpenBD infrastructure refactor, coding standards, and junior developer training.

Freelance Consulting

2006–2008

Consultant

- Worked with mathematicians on a SQL-based portfolio valuation model that outperformed the existing model in more than 75% of tests across 600 existing portfolios.
- Developed SQL Server DTS packages and supported data transformation, routing, reporting, and performance tuning for recruitment data from more than 200 colleges and universities.
- Led development of secure VB.NET and ASP.NET applications for store data mapping, account hierarchy reconciliation, and field-agent reporting; delivered the applications on or ahead of schedule.

Freisoft Consulting Services, Inc.

2005–2006

Sr. Software Developer

- Designed, developed, and documented 11 secure census websites using ASP and SQL Server, and four electronic banking statement websites for credit unions.
- Implemented single sign-on for ASP banking applications and built a VB.NET, ASP.NET, and SQL Server direct marketing order system for the NYC Board of Education and 194 associated schools.

i-Think Designs, Inc.

2002–2005

Co-Founder, V.P. of Development

- Migrated a financial consulting website from Classic ASP to C# and ASP.NET, with membership-based media access, uploads, promotions, reporting, and content management.
- Transformed an Access database into a public building-product certification website with SQL-backed search and a secure administration section.
- Built an API for a military dataset by reverse-engineering legacy ESRI ArcGIS data structures and implementing mapping and transformation algorithms to client specifications.

Freelance Consulting

1997–2002

Consultant

- Migrated an oriental rug dealer's Alpha-5 data to Access, developed dealer management software, and built a website displaying selected inventory from the database.
- Built membership management software for a 2,000-member church, combining disparate data sources and providing customized queries and reports; trained five staff members.