Michael K. Bell

Senior Web Developer. .NET, SQL Server, Azure and AI

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Summary

I'm an experienced web developer who enjoys his work and the problem solving that comes with it. For over twenty years I've designed, developed and maintained applications on the Microsoft platform, from ASP.NET Web Forms and MVC through .NET Core, Azure and SQL Server. Today that includes building AI features into production applications with OpenAI and Anthropic.

Skills

Languages	C#, T-SQL, JavaScript, TypeScript, HTML5, CSS3, SCSS, XML/XSLT, JSON
.NET	ASP.NET and .NET Core, .NET Framework 4.6, MVC, Web Forms, Web API and OData, Entity Framework 6 and Core, LINQ
Data	Microsoft SQL Server, Azure SQL, MySQL
Cloud and hosting	Azure Functions, App Service, AWS (EC2, Route 53), IIS, CI/CD pipelines
Front end	React, React Native with Expo, Telerik ASP.NET AJAX, Kendo UI, jQuery, Bootstrap, ArcGIS/Esri API for JavaScript
AI	OpenAI and Anthropic (Claude) APIs, Claude Code
Tools	Visual Studio and VS Code, Git, Postman, Fiddler, LINQPad, MySQL Workbench, NLog, Search Engine Optimization

Experience

Freelance Full-Stack Developer, Upwork — August 2020 to present

- 10,000+ hours, Top Rated Plus profile, rated 5 out of 5 stars
- Azure cloud development. Design, develop and deploy cloud-based .NET applications and RESTful APIs using Azure Functions, App Service, Azure SQL and other Azure services, including cloud infrastructure, application configuration, CI/CD pipelines and production monitoring.
- AI integration. Integrate OpenAI and Anthropic (Claude) APIs into production applications, including AI-powered trading insights, meeting analysis, email processing and automated content analysis. Use Claude Code to speed up development, troubleshooting and optimization while keeping quality high through thorough review and testing.
- Quickly came up to speed on complex existing applications, one in .NET Core MVC and one in ASP.NET 4.5 with supporting console applications, using the repository pattern.
- Debugged, created and extended site functionality, including a highly customized Telerik Kendo UI grid, using C#, JavaScript, SCSS, Bootstrap, EF 6.0, EF Core and web services.
- Ongoing enhancements, features and debugging for TheSifter.org and TeamingPro.com. References available upon request. Client reviews on Upwork

Senior Web Developer and Creator, TradeInsights.net — June 2017 to present

- Built a website for traders, primarily day traders, to upload exported trade logs from over 50 brokers and review their trading performance through charts, analytics and ratio calculations. Instruments include stocks, options, futures and forex.
- Originally built in 2017 on ASP.NET Web Forms, C#, JavaScript and Microsoft SQL, using OData web services, EF 6.0, the Telerik ASP.NET AJAX and Kendo UI libraries, and jQuery.

- Since rebuilt as a .NET API serving a React web app and Expo iOS and Android apps, with Microsoft SQL underneath and all business logic in a shared service layer.
- AI features using OpenAI and Anthropic, including AI trading insights with a dollar impact on each pattern, a streamed AI trading coach and pre-market briefs, all behind one provider-agnostic service with shared caching.
- Prop firm account tracking, a what-if simulator, backtesting with market playback, and support for five languages.
- Hosting on IIS, and support for 5,000+ members.

Developer Analyst, ONEOK, Inc. February 2006 to June 2017

- Sitecore 6 through 7.5 development and administration.
- SharePoint 2007 (MOSS). Built render control web parts in C# and created and customized master pages and layout pages.
- Converted existing ASP.NET 1.1 projects to ASP.NET 2.0.
- Built a Windows service that fed data to a third-party web service using XML and XSLT.
- Built CodeSmith templates to automate writing business objects and the data access and business layers, using the Microsoft Enterprise Library for data access.
- C#, T-SQL, JavaScript, CSS, HTML, XML, XSLT, .NET 2.0 controls.

Programmer, Lynnco Supply Chain Solutions September 2004 to February 2006

- Developed ongoing enhancements for internal Windows applications in VB.NET and supported company users.
- Delivered a complete makeover of the company website with better error tracking, and optimized it for search engines.
- Created and enhanced SQL Server tables, stored procedures, functions and views.
- VB.NET, SQL, XML, XSLT, JavaScript, CSS, HTML.

Programmer, Long-Term Care Authority October 2003 to September 2004

- Debugged and enhanced three-tier C# intranet applications using .NET Remoting, interfaces and object-oriented design.
- C#, SQL, JavaScript, CSS, HTML.

Accomplishments

MKB TimePicker. Created an ASP.NET control for working with time that was listed on MSDN and downloaded by thousands of developers. Example of it in use.

Education and certification

Associate of Science, Adams State University 2019

Microsoft Certified Professional