

William Scott Baker

Full Stack Software Developer

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FUNCTIONAL SKILLS

- Applying Agile methodologies and Scrum practices to enhance team collaboration.
- Collaborating with cross-functional teams to align technical and business needs.
- Conducting code reviews and promoting clean code principles.
- Designing scalable front-end and back-end architectures for maintainable applications.
- Developing, testing and deploying full-stack applications.
- Exhibiting exceptional interpersonal, communication and leadership skills.
- Gathering and analyzing business requirements to define project scope and objectives.
- Mentoring junior developers to improve technical skills and productivity.
- Performing functional and technical requirements analysis for complex systems.

TECHNICAL SKILLS

- **Cloud/DevOps:** Azure DevOps, Azure Pipelines, Jenkins, AWS AI
- **Development Tools:** BitBucket, Figma, Git, GitHub, GitLab, Jira, Postman, SQL Server Management Studio, Swagger, Visual Studio 2022, Visual Studio Code
- **Frameworks and Libraries:** .NET Core, .NET Framework, ASP.NET, Entity Framework, Entity Framework Core, MVC, Node.js, NUnit, React, ReactiveX, SignalR, Web API, xUnit
- **Programming Languages:** C#, C++, JavaScript, Python, TypeScript, XML/XSLT/XSD/XQuery

EXPERIENCE

Fresh Consulting

Senior Full-Stack Software Developer

May 2021 to Feb 2025

- Created a mobile application using combinations of Flutter, gRPC, .NET Core, and NoSQL, utilizing automatic Azure cloud scaling to dynamically minimize costs for an overall savings of 25%.
- Developed a C++ architecture for hardware integration utilizing J1939 CAN bus communication, reducing critical delivery time by two weeks.
- Implemented an internal Azure NuGet repository to create centralized, automated dependency management and eliminating manual DLL tracking, increasing development team velocity by an estimated 40%.

- Led an integrated React app with C# .NET Core backend; featuring geolocation, custom vehicle state monitoring, and integrated messaging functionality. Enabled real-time status updates and asynchronous driver/dispatcher communication, reducing material loss by 90%.
- Leveraged AI to develop a Python application (with companion C# app to illustrate functionality) to encrypt communication between remote scales and a centralized server, beating the expected delivery time by fifty percent.
- Optimized a WPF solution to improve performance, reducing app responsiveness customer complaints by 100%.
- Revamped REST API communications to use SignalR and gRPC for real-time updates between client apps; optimized data flow management reducing error rates from 30% to 2%.
- Implemented an OAuth2.0 authentication solution to support Azure Active Directory (AD) authentication for internal employees and Microsoft/Google authentication providers for external users.

The Boeing Company

Full Stack .NET Developer/Programmer

Jul 2008 to May 2021

- Engineered a comprehensive WinForms/WPF hybrid app for seamless modification and creation of new training resources based on Boeing's educational standards, reducing training development time by hundreds of hours monthly.
- Adapted XSLT stylesheets to generate browser-agnostic content, giving flight crews in-flight *and* browser-based access to Electronic Flight Bag (EFB) manuals, decreasing in-class training burden by approximately 20%.
- Facilitated a seamless migration from VersionOne to TFS through targeted mentoring, enhancing Agile workflows and driving an annual reduction in software expenditures by \$2,100 for the organization.
- Pioneered an internal ASP.NET website integrating disparate SQL systems offering immediate report generation capabilities, reducing turnaround times and saving 160+ hours per month on average.
- Spearheaded efforts to develop an innovative data schema in partnership with external vendors, eliminating 100% of manual processing.

CERTIFICATIONS/CERTIFICATES

- AWS AI Practitioner, "Early Adopter" (Jan 2025)
- ASP.NET (Core, Core 3), OpenID, OAuth2
- Certified SAFe DevOps Practitioner

EDUCATION

- **Bellevue College, Bellevue, WA**, *Electrical and Computer Engineering*, 2011 – 2013
- **DeVry University**, *Game and Simulation Programming*, 2009 – 2010