

William Scott Baker

Lead .NET Software Engineer

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Marysville, WA

Innovative and detail-oriented Full-Stack Developer with expertise in designing and delivering scalable, multi-layered business applications.

Results-driven Full-Stack Developer with extensive experience designing and architecting next-generation applications using ASP.NET, .NET Core, and C#. Skilled in leading software development projects, optimizing system performance, and managing cross-functional teams. Adept at developing web APIs, maintaining database schemas, and implementing responsive user interfaces. Strong track record of delivering innovative solutions, enhancing software efficiency, and resolving complex technical challenges. Committed to continuous learning, improving processes, and maintaining high coding standards.

Technical Proficiencies

DevSecOps	CI/CD Security Gates Shift-Left SAST (SonarQube) OWASP Dependency Scanning Azure Key Vault Azure Policy (policy-as-code)
Frameworks/Libraries:	.NET Core .NET Framework ASP.NET Entity Framework Entity Framework Core MVC Node.js NUnit React ReactiveX SignalR Web API xUnit
Platforms:	AWS AI Azure Jenkins
Programming Languages:	C# C++ JavaScript Python TypeScript XML/XSLT/XSD/XQuery
Tools:	BitBucket Figma Git GitHub GitLab Jira Postman SonarQube SQL Server Management Studio Swagger Visual Studio 2022 Visual Studio Code

Achievements

- Created a mobile application using Flutter, gRPC, and .NET Core, reducing operational costs through dynamic Azure cloud scaling at Fresh Consulting.
- Developed C++ architecture for hardware integration, accelerating project delivery timelines by two weeks.
- Implemented internal Azure NuGet repository to centralize and automate dependency management, increasing development speed.
- Led the development of integrated React app with .NET Core backend, improving visibility and communication between drivers and dispatchers.
- Adapted XSLT stylesheets to deliver browser-agnostic content for Electronic Flight Bag (EFB) manuals, reducing in-class training by approximately 20% at the Boeing Company.

Career Experience

Fresh Consulting | 2021 – 2025
Senior Full-Stack Software Developer

Design and develop innovative software solutions by leveraging advanced technologies, including Flutter, .NET Core, and Azure. Collaborate with cross-functional teams to deliver scalable applications, optimize system performance, and automate critical processes. Enhance internal workflows through automation and modern development methodologies. Drive improvements in communication protocols and real-time data management to improve operational efficiency. Implement cutting-edge security measures to protect sensitive data and streamline software delivery.

- Leveraged AI to build a Python and C# application for encrypted communication, accelerating delivery by 50%.
- Introduced automatic dependency-checking and vulnerability scanning in CI/CD pipeline using SonarQube, ensuring 100% coverage of code and 3rd party libraries.
- Optimized WPF solution performance, eliminating customer complaints related to app responsiveness.
- Enhanced real-time data flow by integrating SignalR and gRPC for REST API communications, reducing error rates from 30% to 2%.
- Deployed OAuth2.0 authentication for Azure Active Directory and external providers, improving access control and user security.

The Boeing Company | 2008 – 2021

Full Stack .NET Developer/Programmer

Developed and maintained enterprise-level software solutions for training, data management, and operational efficiency. Led the design and implementation of applications to support business processes and technical workflows. Migrated legacy systems to modern frameworks while improving system performance and reducing manual intervention. Collaborated with internal stakeholders and external vendors to deliver scalable and reliable solutions. Improved internal processes through automation, enhancing accuracy and productivity.

- Engineered hybrid WinForms/WPF application to automate training resource development, saving hundreds of hours monthly.
- Led migration from VersionOne to TFS, optimizing Agile workflows and reducing annual software costs by \$2,100.
- Built internal ASP.NET website for real-time reporting, reducing report turnaround time and saving over 160 hours per month.
- Designed innovative data schema in collaboration with external vendors, eliminating 100% of manual data processing.
- Developed and launched internal ASP.NET website that integrated disparate SQL systems, enabling immediate report generation and reducing turnaround times while saving 160+ hours per month.

Delta Air Lines | 1991 – 2008

Aircraft Maintenance Technician

Conducted scheduled and unscheduled maintenance on Airbus, Boeing, Lockheed, and McDonnell Douglas aircraft, including flight line troubleshooting and extensive contract support for other airlines.

United States Marine Corps | 1985 – 1991

CH-46 Avionics Technician

Delivered avionics support for the CH-46 helicopter stateside and during overseas deployments.

Education

Electrical and Computer Engineering

Bellevue College, Bellevue, WA

Game and Simulation Programming

DeVry University

Certifications

AWS AI Practitioner, "Early Adopter"
 ChatGPT Advanced Data Analysis
 Certified SAFe DevOps Practitioner
 ASP.NET (Core, Core 3), OpenID, OAuth2

FAA Airframe & Powerplant Certification