William Scott Baker

Full Stack Software Developer

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EXPERIENCE

Fresh Consulting
Senior Full-Stack Software Developer
May 2021 to Feb 2025

- Revamped core functionalities of applications by implementing innovative programming paradigms; findings led to a comprehensive roadmap addressing the three largest causes of system crashes with measurable improvements in uptime reliability.
- Implemented an internal NuGet repository, reducing developer overhead by 30% through centralized, automated dependency management and eliminating manual DLL tracking. Improved CI/CD pipeline integration with consistent access to versioned packages across projects.
- Built an integrated application featuring GPS capabilities and instant messaging functionality that empowered field operators leading up to 100% faster response rates during peak operation periods, greatly improving customer satisfaction.
- Developed and integrated RESTful and gRPC APIs, facilitating high-frequency data exchanges that improved reliability of interactions across multiple mobile, web, and server-side applications while enhancing overall system performance.
- Engineered automated testing suites using Selenium and NUnit frameworks, elevating code coverage to 80% while accelerating deployment cycles by four hours through optimized CI/CD pipelines developed in concert with the DevOps team.
- Built and maintained responsive web and cross-platform mobile applications using React and React Native, leveraging reusable components, hooks, context, and state management (Redux) while integrating REST APIs and optimizing performance for web, iOS, and Android platforms.

The Boeing Company
Full Stack .NET Developer/Programmer
Jul 2008 to May 2021

- Mentored offshore development staff to enhance technical skills through weekly training sessions; improved project delivery timelines by one week on average for each software release cycle managed during the tenure.
- Directed continuous maintenance and enhancement of 12 essential customer-facing applications for airline clients; improved system uptime while increasing responsiveness, thereby increasing user satisfaction scores through faster access to critical aircraft data.

- Established robust communication channels with stakeholders throughout the design and deployment phases, ensuring 100% alignment on feature requests which expedited implementation timelines while maintaining 100% service availability across all twelve critical applications.
- Facilitated regular code reviews and architecture discussions, leading to a 30% improvement in code maintainability across five major applications by identifying key areas for refactoring and best practices adoption.

CERTIFICATIONS/CERTIFICATES

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

TECHNICAL SKILLS

- **Programming Languages:** C#, C++, JavaScript, TypeScript, Python, T-SQL, XML/XSLT/XSD/XQuery
- **Frameworks and Libraries:** .NET Core, .NET Framework, Angular, ASP.NET, Entity Framework, Entity Framework Core, gRPC, GraphQL, MVC, MVVM, Node.js, NUnit, npm, React, React Native, ReactiveX, SignalR, Vue.js, Web API, webpack, xUnit
- **Development Tools:** BitBucket, Figma, Git, GitHub, GitLab, Jenkins, Jira, Postman, SQL Server Management Studio, SonarQube, Swagger, Visual Studio 2022, Visual Studio Code
- **APIs and Web Services:** SOAP and REST API design, OpenID, OAuth2
- **Cloud/DevOps:** Azure DevOps, CI/CD pipelines, Docker, AWS services

FUNCTIONAL SKILLS

- Gathering and analyzing business requirements to define project scope and objectives.
- Performing functional and technical requirements analysis for complex systems.
- Designing scalable front-end and back-end architectures for maintainable applications.
- Mentoring junior developers to improve their technical skills and productivity.
- Collaborating with cross-functional teams to ensure alignment between technical and business needs.
- Conducting code reviews and promoting clean code principles (DRY, KISS, SOLID, YAGNI, etc).

EDUCATION

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