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| **Languages**  C#, VB,  .net core,  EF Core,  Entity framework  DevExpress  HTML CSS,  Linq  XML,XPath,Xsld  MSSQL,Mysql  Telerik  JQuery  DevExpress  **Skills**  VS2022  TFS/GIT  Agile Principals  SOLID  Middle/Backend  Stored Procedures  SQL Optimization  **Techniques**  OOP  WEB API  RESTful/Soap API  Web Services  SignalR  Selenium  Unit Testing  Fiddler  Postman  GIT/TFS  **Design Patterns**  N-Tiered  Façade  Repository  Observer  IOC/DI | **WILLIAM G. BAHR** 561.859.2643 bbillybahr@gmail.com  **Senior .NET Engineer | EF Core & Blazor Expert | Manufacturing / Finance Applications**  Seasoned **Senior Software Engineer** with 20+ years of hands-on .NET development experience delivering full-stack enterprise solutions across **manufacturing, finance, and telecom** domains. Expert in **Blazor, EF Core, DevExpress, and SQL optimization**, with a proven record of transforming Excel-based workflows into scalable web applications. Combines deep technical expertise with strong business insight to design maintainable, user-focused systems that drive measurable value. Recognized for bridging management goals with practical engineering, leading development from **database to front end** with precision, clarity, and speed.  **Airline Hydraulics**  1/2021 – Present  For a leading distributor and manufacturer of fluid power and aluminum extrusion products, **design, develop, and deploy enterprise-level applications** using **Blazor, EF Core, and DevExpress**. Lead developer responsible for the migration of legacy Excel-based MRP processes into a fully integrated **Sales, Engineering, Procurement, and Costing system**, as well as a customer-facing web platform.   * **Architect and develop RESTful APIs** to streamline data flow between modules and external systems, improving integration, performance, and maintainability. * Serve as **sole designer of SQL business object relationships and middle-tier architecture**, using both **Database-First and Code-First** approaches in Entity Framework Core. * Collaborate with business stakeholders to translate operational requirements into scalable, maintainable web solutions that improve workflow transparency and reporting accuracy. * Introduced a **new MRP system** that **reallocated engineering and manufacturing resources**, **reduced departmental headcount**, and **delivered more accurate, real-time data** to manufacturing, sales, and accounting teams. * Rapidly prototype and deploy Blazor and DevExpress components to accelerate feature delivery and enhance user experience across departments.   **Spectrotel**  *5/2019 – 12/2020*  At a fast-growing telecom managed services provider, **led the design and development of web applications and RESTful APIs** integrating directly with the **Rev.io telecom billing platform**. Delivered scalable automation and customer onboarding systems that streamlined operations and reduced manual workloads across departments.   * **Developed and maintained RESTful APIs** using **RestSharp**, enabling reliable, high-volume data exchange with Rev.io and internal service systems. * Built **automated Selenium-based screen-scraping bots** to extract and normalize carrier data, significantly improving billing accuracy and turnaround time. * Created a **customer onboarding application** leveraging **N-Tier architecture and MVVM patterns** to support modular, testable code and faster enhancements. * Engineered **PDF-to-Excel conversion tools** using **iTextSharp**, allowing non-technical users to easily generate structured billing reports. * Utilized **Telerik controls and jQuery** to deliver intuitive, high-performance front-end interfaces optimized for telecom business workflows. * Implemented **SQL Server 2019 JSON data modeling** for dynamic component configurations, reducing maintenance and deployment complexity.   **Preferred Mutual Insurance**  *10/2016 – 3/2019*  Remotely supported the development and modernization of a **forward-facing New Business Insurance Policy Management System**, delivering scalable web and mobile solutions integrated with Salesforce and legacy mainframe systems.   * **Designed and built RESTful APIs** for secure and efficient data access between front-end, mobile, and mainframe components. * **Re-engineered legacy VB applications in C#**, improving maintainability, performance, and integration with modern frameworks. * Developed a **multi-platform mobile application** for Salesforce policy entry, increasing agent productivity and policy turnaround time. * Created **middle-tier and backend APIs** to interface with mainframe services using **ACORD XML standards**, ensuring data integrity across distributed systems. * Authored **SQL stored procedures** for XML parsing, XPath validation, and dynamic ACORD element retrieval to support complex insurance workflows. * Led the **SQL Server migration from 2008 to 2017**, employing **Redgate Beyond Compare** and **Data Compare** for seamless schema and data synchronization. * Collaborated under **Agile methodology** to define user stories, plan sprints, and drive product releases through to implementation and demonstrations.   **Santos Designs**  *1/2010 - 10/2016.*  **iOS Game Development & E-Commerce Integration**   * **Designed, developed, and published an iPhone game** in **Swift** using **SpriteKit** and **SceneKit**, from concept through App Store certification and release. * Created an **interactive marketing platform** that drove traffic to a sporting apparel retailer by rewarding gameplay with promotional codes and discounts tied to in-game achievements. * Built all **game physics, animations, and user feedback systems**, including collision logic, diver movement, and pop-up interactions to enhance engagement. * Integrated backend analytics via **PHP/MySQL** for real-time statistics and leaderboards, implementing **JSON serialization** for secure data transfer. * Linked the app to a **WordPress-based shopping cart**, enabling user registration, in-app purchases, and promotional tracking across systems.   **Enterprise CRM / Web Systems**   * Served as **lead developer** for a full-stack **.NET CRM platform** built for a health-insurance call center. * Architected an integrated suite including a **Trello-style project manager**, **lead procurement module**, and **inter-company chat and logging system**. * Applied **Agile methodologies** to deliver rapid iterations and user-driven features. * Designed **custom ASPX form builders**, **dynamic search algorithms**, and **multi-column data queries** supporting customizable user interfaces. * Engineered SQL schema and search logic to unify multiple business functions into one cohesive, scalable platform.   **EDUCATION**  **Bachelor of Science, Accounting & Computer Science**  Bloomfield College, New Jersey  **Master of Business Administration, International Finance**  Fairleigh Dickinson University, New Jersey  **.NET Developer Master’s Program**  SetFocus, New Jersey  **CERTIFICATIONS**  Microsoft Certified Technology Specialist (MCTS)  **AWARDS**  Cisco Small Business Operating Award  Top 500 Owned Woman Owned Business – Number 1 Largest Woman Owned Business in Florida |