

Summary of Qualifications

Highly accomplished software developer, analyst, and engineer with extensive expertise in application development, system analysis, and architecture design. Proven ability in identifying and resolving critical system deficiencies, implementing strategic solutions, and enhancing enterprise-level applications. Strong ability to leverage system and data analysis to optimize business processes, identify trends, and generate valuable insights.

Proven track record in designing, developing, and maintaining mission-critical applications while effectively bridging technical and business departments. Skilled in managing multiple projects under tight deadlines and budget constraints, ensuring seamless execution and adherence to requirements. Experienced in leading system and software implementations, coordinating testing cycles with stakeholders, business partners and end users for all the required implementation phases.

Projects

- **.NET Blazor Server Application (.NET 8)** – Developed and deployed on Digital Ocean and Microsoft Azure Cloud Services using GitHub Actions for automated builds and deployment on a Linux server. Integrated Microsoft Azure B2C authentication for secure user sign-up and sign-in, incorporating JWT enforcement for API authentication. Implemented Docker containers for mail processing and utilized a tiered NoSQL database architecture (Atlas MongoDB Cloud + local LiteDB).
- **.NET Web API for Automated Invoicing** – Designed a standalone Web API processor to automate daily invoicing and order release workflows. Created Channel Review Data, a unified reporting system presenting real-time inventory across multiple e-commerce platforms (TrueCommerce, eBay, Amazon, NewEgg, Brokerbin).
- **Salesperson Reassignment Web App** – Built an application for automated sales rep reassignment to ERP customer accounts, enhancing CRM efficiency.
- **Web API for ERP & E-Commerce Integration** – Engineered APIs to sync pricing, inventory availability, and product images between Acumatica ERP and the company's BigCommerce-based e-commerce platform, generating live discrepancy reports.
- **Enterprise Rate Analysis Solution (WCF-based Web Forms App)** – Designed and implemented New Rate Best Rate, a multi-threaded enterprise solution interfacing with a Java middle tier via WCF calls. Integrated Windows Active Directory security and built interactive screens for search, tabular data analysis, and setup configurations.
- **Inspection & Testing API for Work Order System** – Developed a unified .NET Web API for managing inspection and testing components, facilitating warehouse operations, Pick List preparation, and Day-End processing services.
- **Multi-Threaded B2B Logistics Integration** – Designed a 24/7 standalone .NET Web Forms application for data exchange and integration in transportation logistics, leveraging multi-thread processing and event-driven satellite communication. Implemented XML-based REST connectivity for seamless inter-system communication.
- **Freight Bidding & Air Freight Web Management System** – Built a .NET application supporting third-party freight bidding, incorporating XML-based data exchange for real-time inventory updates. Developed an

ASP.NET AJAX/jQuery-driven system for Air Freight Web Management, using asynchronous calls for improved performance.

- **XML Processor for Satellite Communications** – Developed a WinForms-based XML processor for vehicle tracking, messaging, and positioning systems, interfacing with major business partner Web Services.

Software and Tools Used

Expertise in cloud services including Microsoft Azure, MongoDB Atlas, and Digital Ocean, leveraging generative AI to accelerate software development and enhance efficiency.

Development Environment & Version Control:

- Visual Studio (2005–2022), Azure DevOps, Git, GitHub, Team Foundation Server
- Microsoft Teams & SharePoint for collaboration and project management

Application Development & Architecture:

- C#, VB.NET, Fortran
- .NET Framework 4.8, ASP.NET, ASP.NET Core 3.x, .NET 6-8, Blazor
- ASP.NET, ASP.NET Core, MVC, Web API, Web Services, Windows Forms, Web Forms, WCF
- JavaScript, AJAX, jQuery for dynamic front-end solutions
- Bootstrap 5, CSS, HTML for Frontend & Styling

Database, ORMs & Data Handling:

- Relational Databases: Microsoft SQL Server, Pervasive PSQL, MS Access,
- NoSQL Databases: MongoDB, LiteDB
- Data Access & Processing: Dapper, LINQ, XML, JSON, SOAP

Other Technologies:

- Log Management & Mock Data: Log4Net, Serilog, Bogus (testing and mock data)
- Containerization: Docker containers

Work Experience

The Word Project - Parrish FL (Jan 2024 – present)

Beta version hosted on Azure Cloud At: <https://thewordapp.azurewebsites.net/>

Lead Senior .NET Developer

Designed and implemented a comprehensive .NET solution, featuring a .NET Blazor server application initially developed on .NET 6 and successfully upgraded to .NET 8. Integrated a Windows Forms project to enable rapid data entry and processing, enhancing efficiency and usability.

Deployed the application on Digital Ocean and Microsoft Azure Cloud Services, leveraging Visual Studio 2022 for development with GitHub as the version control and repository system. Automated build and deployment pipelines using GitHub Actions, ensuring seamless deployment to a Linux-based Microsoft Azure Cloud server.

Implemented Microsoft Azure B2C for user authentication, providing secure sign-up and sign-in capabilities. Designed an API interface using MVC architecture and generative AI, incorporating JWT authentication to enforce secure API calls and reject unauthorized requests.

Optimized the user Web UI components for both desktop and mobile responsiveness using Bootstrap 5, eliminating the need for a separate mobile application.

Database Architecture:

Atlas MongoDB Cloud – Shared 3-tier clustered NoSQL database for scalability and performance.
LiteDB NoSQL database – Local storage solution for fast, lightweight data operations.

XByte Technologies - Bradenton FL (Oct 2021 – July 2024)

Senior ERP .NET Developer

Maintained, upgraded, and customized the Acumatica .NET ERP platform—Xbyte’s primary ERP system—to optimize performance and functionality. Designed and implemented the “Flusher” API solution to streamline non-stock order processing via API calls from Acumatica ERP to a web application, allowing the same logic to support CRM modules (Opportunities and Quotes) while reducing ERP resource consumption.

Developed a .NET Web MVC application to facilitate access to disconnected Acumatica processes through a unified, automated logic framework. Designed and implemented Web API applications for automatic invoicing, order releasing, and salesperson reassignment within the ERP’s customer accounts. Engineered Web APIs for seamless price checks, inventory availability tracking, and product image synchronization between Acumatica ERP and the company's BigCommerce-based eCommerce platform. Provided real-time discrepancy reports to ensure accurate inventory and pricing alignment.

Built an automated application for updating ERP entities and eCommerce data within BigCommerce, effectively bypassing limitations imposed by Acumatica ERP’s native connector.

Technical Environment & Tools:

- **Cloud & Collaboration:** Microsoft Azure (code versioning, deployment), Microsoft Teams (communication & intercompany collaboration)
- **Development Tools:** Visual Studio 2019, 2022; Postman; Acumatica ERP
- **Technologies & Frameworks:** .NET Framework 4.x, C#, ASP.NET MVC, JSON, Log4Net, Dapper, IIS
- **Database Solutions:** MSSQL 2019, LiteDB NoSQL, Acumatica ERP Database

First Choice Channel - Parrish FL (Jan 2018 – July 2020)

Lead Full-stack .NET Developer And Lead Cloud Integration Engineer

Designed, developed, and deployed a scalable cross-platform e-commerce solution (Windows, Linux) using ASP.NET Core 3 and MongoDB NoSQL database. Implemented fault-tolerant clustering via MongoDB Atlas and hosted the solution on Amazon EC2 cloud services to ensure high availability and performance. Engineered flexible deployment options, integrating Windows IIS, Nginx, and Docker containers for seamless adaptability across diverse environments.

America II Electronics - St. Petersburg FL (May 2016 – Jan 2018)

System Analyst for .NET Applications

Designed, developed, and implemented a robust .NET API web service for managing inspection and testing components within the Work Order system. Led the creation of an enterprise-level integrated software solution, exposing a unified Web API to facilitate seamless interaction between legacy applications and various business processes. Engineered a scalable platform to support complex daily operations, integrating existing web services such as warehouse management, inventory handling (Pick List), Day End processing, and Document Management.

Authored and optimized stored procedures to establish an efficient object-oriented database layer. Spearheaded the complete redesign of the company's primary application, building new .NET APIs, web services, and unit testing frameworks from the ground up. Enhanced, troubleshooted, and optimized MVC web solutions (Must Ship, COPS Excess Inventory) alongside business process automation through .NET web services, ensuring smooth interoperability across multiple interfaces.

Development Tools:

Visual Studio 2013, 2015; Team Foundation Server; Redgate; Fiddler

Languages & Frameworks:

C#, JavaScript, Telerik, ITextSharp PDF, ADO.NET, Dapper, Ninject, Log4Net, Bogus

Technologies Utilized:

Web API, MVC, JSON, ITextSharp PDF Engine, Multi-threaded Processing, .NET Customized Windows Services.

Key Implementations:

Applied Object-Oriented Design principles to enhance system maintainability and scalability. Developed parallel processing architecture to optimize various business processes, leveraging MS SQL relational database as the primary data storage for efficient transaction handling and data integrity.

ACT Consulting / Duke Energy - St. Petersburg FL (Aug 2014 – Mar 2015)

System Analyst/Programmer .NET Applications

Designed and implemented "New Rate Best Rate," an enterprise-level software solution leveraging multi-threaded connections via WCF to access middle-tier services. Engineered an advanced system to analyze and generate region-specific rate scenarios for business customers, utilizing complex historical data, custom data manipulation, formula generation, and comparative analysis with established rates.

Developed a dynamic "What If" scenario feature, enabling users to input custom data and generate tailored rate structures for selected clients. Built flexible application parameters to support customization, real-time billing updates, and customer-specific data management. Integrated comprehensive reporting capabilities, allowing users to visualize final rate scenarios through Rate Comparison and Rate Calculation dashboards.

Software Tools: Visual Studio 2008–2010, Team Foundation Server, SharePoint, SOAP UI, Fiddler

Programming Language: C#

Technologies Utilized: .NET, Windows Forms, WCF, SOAP, Multi-threaded Processing, Integrated Security with Active Directory, Secure Web Service Calls to Java/WebSphere Middle Tier (security token acquisition via AD integration)

Key Implementations: Object-Oriented Design, Application Data Session Management via Singleton Object, Parallel Data Processing across Multiple UI Elements (multi-thread processing)

TST Expedited Services - Windsor, ON (Nov. 2003 – Oct. 2013)

System Administrator, Lead .NET Programmer

Coordinated, designed, and implemented full-stack Business-to-Business (B2B) integrated software solutions for transportation and logistics, satellite communication, vehicle tracking/messaging, and positioning systems. Developed and maintained the company's intranet

and customized reporting tools using the .NET framework. Installed, configured, optimized, and managed .NET application servers, MSSQL Server databases, and IIS Web servers to support project implementation, testing, and deployment. Provided ongoing system management, ensuring continuous support for users and upper management.

Key Projects:

- * 24/7 Multi-threaded B2B Logistics Integration – Designed and implemented a standalone .NET solution for real-time data exchange in transportation logistics. Utilized multi-threaded processing for independent task execution, developed a database middle-tier for legacy integration, and incorporated event-driven satellite communication and REST-based XML data exchange.
- * Freight Bidding System – Created a full-scale .NET application for third-party freight bidding, enabling XML-based data exchange via predefined XML schemas for seamless integration with the company's main database.
- * XML Processor for Satellite Communications – Developed a B2B application that consumed web services for vehicle tracking, messaging, and positioning systems, ensuring efficient data flow between business partners.
- * Pre-Authorization Release System for US/Canada Customs – Engineered a standalone .NET WinForms application with event-driven XML processor integration, streamlining cross-border processing and compliance.
- * Custom Backup Solution – Designed and implemented a WPF .NET application with a XAML-based interface, separating presentation and processing layers while incorporating a custom scheduling system for automated backups.
- * Air Freight Web Management System – Developed an ASP.NET-based system with AJAX and jQuery, leveraging asynchronous server calls to enhance performance and user experience.
- * Driver Logs Management – Created a 24/7 standalone .NET WinForms application for managing multiple logs across diverse systems.

Education

Regent University, Virginia Beach, Virginia (2003)

Degree: Masters of Business Administration

The Polytechnic University of Bucharest, Faculty of Electronics, Telecommunications and Information Technology

Degree: Engineer