

## Buddy Stein

.Net Full Stack and Database Developer

I am a veteran full-stack software developer who implements scalable solutions that integrate with existing systems. I design and code backend and front end software using Angular, .Net MVC, .Net Core, Entity Framework, EDI X12, Restful and OData API using .net and ServiceStack and unit testing and Agile methodology. I am proficient with both SQL Server and MySQL, database design, views, stored procedures, and other supporting objects.

### Technical Skills

.NET Framework and Core, C#, MVC, Angular, Angular Material, Telerik/Kendo UI, Bootstrap, Typescript, Dapper, Entity Framework, ASP.Net, Restful and OData APIs, Ajax, jQuery, Javascript, EDI X12, Microsoft Dependency Injection & Logging Extensions, SignalR, NLog, SeriLog, Microsoft SQL, MySQL, Azure Web Apps, Microsoft Test Framework, NUnit, Git, Agile Methodology, Jenkins CI/CD, Docker, Hugo, Visual Studio, VS Code, Visual Basic, ServiceStack, limited Pentaho ETL, Crystal Reports, BI Reports, PDFSharp and Migradoc.

### Leidos / Lockheed Martin (Nov 2021 - June 2021, as a contract programmer for Insight Global)

I completed a successful assignment as a member of a team coding an application for internal corporate use that was added to a suite of software that is used worldwide by all divisions to manage the approval process, intra-company expenditures and oversight of domestic and global defense contracts.

I was the second lead and my responsibilities included front-end coding in Angular (V13) and Material UI, building the server side APIs in .Net, custom PDF report generation using PDFSharp and Migradoc, as well as a large portion of the SQL server database development to support the application. In addition, the application involved coding rules to ensure ITAR requirements are met in addition to government and corporate compliance. Additionally, currency conversions and localization are necessary for this international software.

I also interfaced with the business analyst team who created the design specifications and have expertise in domestic and international defense contracts. This application passed all user acceptance testing (UAT) in two weeks and was deployed successfully into production upon my contract completion.

### National Oak Distributors (2007 - 2021)

**Below are significant software projects** that I developed over the past 15 years. I have personally architected, coded, and tested all of these projects. Some of these required integrations with legacy ERP/Accounting systems. In such cases, the ERP developer would code modifications and API endpoints to that system per my specifications.

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**Training and Compliance Recordkeeping** - This MVC application, in place over 11 years contains a web front-end UI with color-coded dashboards to track employee training class compliance, due dates, certificate printing, training certificate retrieval of all employees based on employee roles.

- .Net MVC web front-end UI for management dashboards, signature verification and employee certificate retrieval.
- .Net MVC reporting on-screen and exportable report generation to PDF and Excel, KendoUI
- Backend training document indexing

**Document Imaging and Workflow Application** – Paper-less enterprise document processing system. In place over 10 years, handling over 20 million documents and saving \$95,000 annually. This application is build with backend microservices to handle OCR and indexing and a web front end for image retrieval, document processing and dashboards for management

- Over (20) .Net MVC web screens for query and workflow processing and dashboards, Telerik/KendoUI tooling.
- Processes all documents related to purchasing, warehouse receiving, vendor payment, customer remittances, bank deposits, employee training records, and confidential vendor contracts
- Integrates corporate copiers nationwide using OCR to route documents through workflows
- Indexes, logs, and archive images to off-site image servers
- Features tightly secured web-based retrieval of pages from scanned stacks, rendering a single dynamically created pdf to users

**Freight Rate Gateway** - This server application (Summer 2020) calculates freight rates, optimum carton packing, and address validation for all company domestic parcel freight orders by analyzing the items on the order, applying proprietary business rules, and accessing the FedEx Rate and Address validation APIs. This is a .Net web api backend to support all company ordering systems.

- Integrates FedEx Rate and Address Validation APIs with proprietary freight business rules
- Windows Service written in C# exposes restful APIs to multi-tenant applications seamlessly calculating order shipping
- Handles over 6,000 daily order freight requests saving \$150,000 per year due to accuracy

**Purchasing EDI Integration** – This application manages all trading documents related to \$90 million dollars of product purchasing. I have worked with EDI teams in many large companies like 3M, Sherwin Williams, Valspar, and Azko-Nobel to successfully map, onboard, and establish the EDI B2B connectivity.

- Utilizes Windows Service to manage all documents related to \$90 million dollars of product purchasing with over 25 EDI enabled suppliers, saves six figures annually
- Supports EDI-X12 850, 997, 856, and 810 document sending, receiving, and validation
- Integrates the EDI service bureau and our legacy ERP purchasing and payables systems
- Includes web-based dashboard that displays transaction status, logs, search by purchase order

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**Customer Order EDI Integration** – This suite of applications manages all documents relating to EDI orders, order review and edits, acknowledgments, invoicing, and advanced ship notices.

- Enables the company to accept orders from customers who use traditional EDI X12 networks
- Front-end order review and edit system, built on .Net, Angular, and SignalR messaging.
- Supports EDI-X12 850, 997, 856, and 810 document sending, receiving, validation, and integration between the EDI service bureau and our internal legacy ERP systems
- Integrated major companies including Amazon, and Advance Auto Stores

**Electronic Order BOT** - This software is a rule-based order validator, acceptor, and processor. It processes roughly 20,000 orders per year and has achieved a savings of roughly \$75,000 per year in labor reduction.

- Windows Service that pre-scans roughly 20,000 orders per year saving \$75,000 annually
- Analyzes stock availability, warehouse proximity, and optimum fill rates to create orders in the legacy ERP system without user intervention
- Orders that cannot process due to business rules and complexity passed for manual handling

**Warehouse Management System (WMS)** – This WMS software written in C#, utilizes Symbol MC3000 mobile computers and Zebra printers and is currently used in 16 warehouses by several hundred employees to fulfill over a million dollars per day of orders.

The WMS software is tightly coupled with the company's legacy ERP system and provides the basic warehouse functions of order picking, packing, receiving, directed put-away, transfers, stock moves, printing, and returns processing.

- Written in C#, utilizes Symbol MC3000 mobile computers and Zebra printers
- Used in 16 warehouses by several hundred staff to fulfill over a million dollars of orders per day

**Other Software Systems** - In addition to the major systems, I also designed and coded many applications that expose API endpoints for inventory, orders, automated emailing, record-keeping, reporting, PDF and Excel generation and marketing campaigns.

### **Security One / Ingersoll Rand (2003-2006)**

- Responsible for coding new features in a proprietary ASP web-based job quoting system.

### **Childnet (2003-2003)**

- Developed and coded EDI X12 (834, 835) integration from Dynamics/Great Plains ERP to Blue Cross for employee healthcare benefit enrollment and premium remittances.

### **Family Central (1998-2002)**

- Coded proprietary referral and mental health case management, foster-care and subsidized child care software.

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## Blockbuster Video Corporate (Director R&D - US App Development)

- Developed algorithms for the Blockbuster customer movie recommendation engine (**U.S. Patent 5,459,306**) <https://tinyurl.com/yzscuevd>
- Managed a team developing in-store applications, interactive kiosks, and franchisee support software
- Managed contractors to develop applications that supported multi-state sales tax processing
- Authored executive information system dashboards

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