

TROY M SZATKOWSKI

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SUMMARY

More than ten years of programming and application development experience in a business, engineering, and manufacturing environment.

KEY SKILLS

Programming Languages

- Microsoft Visual Basic, HTML, CSS, XML, JavaScript, C#

Technologies

- Visual Studio (2005 – 2019), ADO.NET, VS Code, Windows Forms, ASP.NET, Web Services

Databases

- MS SQL Server (2005 – 2016), LINQ, T-SQL, MySql

Operating Systems

- Operating Systems: Microsoft Windows XP, Windows Vista, Windows 7, 8, and 10

EXPERIENCE / JOB HISTORY

Software Developer/Engineering Solutions

2017 - Present

Magnaloy

- Developed custom Quoting software to interface with ERP (Oracle DB) customer and inventory data. Designed the backend using SQL Server to store quote data. Programmed using C# and VB.Net.
- Developed desktop application to export, import, and edit .dwg and .dxf files that interface with SolidWorks including many automated features to manipulate sketches and model geometry.
- Developed our current web product configurator application using Asp.Net and SQL Server with a full responsive design. Including a product customizing feature to allow users quickly generate an estimate.
- Developed custom desktop applications including Product Quoting Software, Web Reporting Tools, Scheduled Task Programs, Engineering Software, and more.
- Developed an automation process for bill of materials/cost sheet, saving approximately 300 – 400 hours per year.
- Scaffold SQL Server database to accommodate all custom desktop applications from ground up.
- Developed web services to interact with desktop applications.
- Developed an alternative SolidWorks inspection program that enables users to create inspection report documentation and ballooned drawings in seconds.
- Developed a 3D part configuration application using .net with solidworks.inerop to aid the engineering team in creating new part models very quickly.
- Maintain and enhance existing code.
- Developed an engineering dashboard to integrate with data from the ERP inventory (Oracle DB).
- Work with CAD Technician team to recommend and introduce new software solutions to improve process flow.
- Maintain and update our online business to customer web portal that interfaces with company ERP and allows registered users to order products.

Software Developer

2007 - 2017

Sabre Technologies Corp.

- Technologies Used:
Nine years: Visual Studio, VB.Net, Windows Forms, ADO.Net, T-SQL, LINQ, XML.
Five years: Asp.Net Web Forms, Web Services (ASMX), HTML, CSS, Basic JavaScript.
One year: Universal Windows Platform, XAML, WCF, C#.
Operating Systems: Microsoft Windows XP, Windows Vista, Windows 7, 8, and 10.
- Experience working independently developing projects from start to finish including design, coding, debugging, testing, and interaction with the customer for accuracy.
- Designed transactional based web application that provides customers the ability to configure and price products, request dynamic drawings, send emails, etc. This utilized web services to push and pull data for sales reports, usage reports, and sales/customer interactions for immediate customer questions.

- Developed a web-based intranet CMS application including design, database structure, table and column creation, connection strings.
- Experienced using Team Foundation Server / GIT
- Experienced using SQL Server, reading and writing data, data tables, databinding.
- Maintain and enhance existing code
- Collaborated with customers and team members via skype, face to face, and tele-conference meetings.
- SolidWorks (API integration with .net applications for utilities and assembly automation)
- Developed applications and utilities for other business requirements.
- Familiar with IIS on host windows servers.
- Worked with Asp.Net security to setup, create, and manage users for Asp.Net applications.
- Wrote applications to dynamically upload and sync data to web server.
- Used the CodeDOM to dynamically build scripts into in-memory executables for quick on-demand interfaces with custom logic.
- Worked closely with Mechanical Engineers and Product Sales persons to create automated solutions including Standalone Desktop Applications, Web Applications, reporting tools for Sales, SolidWorks Add-ins.
- Used WCF to create data access layer for Universal Windows Apps
- Perform troubleshooting with customers to resolve issues.
- Experience working on a network file system (windows server)
- I am very resourceful and self-motivated.

EDUCATION

Independent study of software technologies

Online Courses at Udemy, Pluralsight, Other...

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|----------------------|-------------------------------|-----------------------------|
| • Asp.Net Core | • C# | • Modern JavaScript |
| • Asp.Net MVC 5 | • PHP MVC | • Laravel (ECommerce) |
| • Bootstrap 4 | • Angular 4 | • MySQL with Node JS |
| • Modern HTML & CSS | • Intro to MySQL With Node.JS | • Build Responsive Websites |
| • Laravel (Blogging) | • Build ECommerce with React | • More... |

Alpena Community College

Alpena, MI

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|---------------------|-------------|--------------------|
| • Basic Programming | • Computers | • Microsoft Office |
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United States Air Force