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WEB DEVELOPMENT SUPPLEMENT TO RESUME

All Business Computer Services LLC, Web Developer, August 2010 to Present

True Manufacturing   *O'Fallon, MO*
(through Analysts International Corporation)

Project Timeline: Oct 2016 – Mar 2017

The client wanted to update their Kentico CMS website to allow a user to scan the QR Code affixed to each of their manufactured refrigeration products via a user's smartphone and have the system return the serial number, original shipment date, warranty status, spec sheet, installation manual, video, nearest parts depot, and nearby service locations. They also wanted to allow the user to enter the serial number manually on a smartphone, tablet or desktop computer and have the system return the same information (http://www.truemfg.com/QR/8765432). The next project involved the incorporation and interactive display of a parts breakdown SVG format graphics file upon the successful entry of a manufactured product's serial number. It allowed the user to drill down into through multiple levels of parts disassembly until the user was able to identify the part they needed. This was initially developed for deployment into the European market, but was scheduled for future deployment internationally into all True Manufacturing markets.

The Kentico CMS system utilized an MVC framework that allowed the development and inclusion of Web Parts similar to SharePoint sites as well as traditional HTML development that incorporated JavaScript, JQuery, KnockoutJS, Bootstrap, and CSS. Multiple SQL stored procedures were developed for retrieving the needed information from multiple databases on multiple servers. WCF Web Services/APIs were also developed that called the stored procedures and returned the information to the requesting JavaScript. The HTML web page was created using Bootstrap's row/column structure and multiple CSS media definitions allowing the same page to be viewed on all devices from an iPhone to a huge Surface Hub display screen. The deployment of the production system was completed on an Azure Platform using blob storage for all of the graphics files.

Environment:

> Windows 10 Workstations, iPhones, Android Smartphones, Azure Cloud Servers, Windows Server 2012, MS SQL Server 2016, MS Visual Studio 2015, NuGet, Web Matrix, MS Code, JavaScript, Kentico 8.2, Bootstrap 3, HTML5, CSS3, LESS, Font-Awesome, Node, Bower.

Responsibilities: (Developer)
- Developed the SQL stored procedures used to retrieve the data from multiple databases.
- Developed the API Web Services used to serve up the data retrieved from the stored procs..
- Developed the HTML, CSS, and JavaScript to capture the data from the web services and display that data on the target platforms.

Maintz.com   *Lake St. Louis, MO*

Project Timeline: May 2016 – Present

As the owner of this website, I wanted to rewrite it utilizing the AngularJS framework, Bootstrap, HTML5, and CSS3, if for no other reason than to improve my skillset with this technology. The site needed to be responsive, utilize many of the capabilities that the AngularJS framework makes available, and do so in a logical and exemplary way. The website also needed to work equally well on tablets and smartphones, just as it did on standard and extra-large desktops, so Bootstrap and CSS3 were employed for this purpose. JQuery, Bootstrap, and CSS3, specifically transitions and transformations, were used to create some of the animation. The resulting website employs many of the base components within the Angular feature set as well as some additional plugins that extend that feature set. Filters, directives, controllers, and services from the base set of Angular components were utilized as well as a photo carousel and calendar from the Angular-UI library. In the development phase, I utilized Grunt and Gulp as task runners/managers during the development process so that any time code was changed and saved, the website would be recreated and redisplayed on multiple

monitors and devices. Git was used as the source code repository for the website

Environment:

> Windows 8.1 and 10 Workstations, Windows Server 2012, MS Visual Studio 2013 and 2015, NuGet, Web Matrix, MS Code, JSON, JavaScript, AngularJS 1.5.8, Bootstrap 3, HTML5, CSS3, LESS, Font-Awesome, Node, Bower, yeoman, Karma, Protractor.

Responsibilities: (Architect/ Website Developer)
- Designed the website layout, UI, color scheme, menu, web pages, and transitions.
- Updated the infrastructure to accommodate a DEV, BUILD, DIST, and PROD environment.
- Wrote the textual content displayed on each web page.
- Researched and incorporated other "Maintz" websites as referenced links from this website.
- Created or acquired and assembled the icons and graphics to be displayed on the website.
- Developed the HTML, CSS/LESS, JavaScript, and JSON files.
- Provided post production support for http://www.maintz.com.

AllBusinessComputerServices.com   Lake St. Louis, MO

Project Timeline: August 2010 – Present

The website was designed and developed with the intention of informing potential clients of the many services that I have provided for my clients over the past 20+ years, including, but not limited to, custom application and web development, technical leadership, and project management.   The help I have provided my clients has transcended many clients and types of organizations, albeit most of them have been in the healthcare space.

Environment:
- Windows XP, 7, & 8, Windows Server 2008 and 2012, MS SQL Server 2008 and CE, IE, Google Chrome, Firefox, C#, JavaScript, HTML, and CSS

Responsibilities: (Architect/ Website Developer)
- Designed the website format, layout, structure, color scheme, and graphics
- Developed the website in accordance with the design.
- Procured a hosting site to launch the website.
- Conducted multiple tests of the website using multiple browsers and computer workstation platforms.
- Promoted the website to the production site.
- Performed multiple updates of the web pages within the website and redeployed them to production.
- Provided continued support of the website including the use of the resume download page.
- Provided post production support for http://www.allbusinesscomputerservices.com.

Lumeris / Essence Group Healthcare   St. Louis, MO
(through Catalyst Solutions)

Project Timeline: Aug 2015 – Jan 2016

Lumeris, the software development arm of Essence Group Healthcare, needed to provide additional Electronic Healthcare Record (EHR) transaction processing (specifically 270/271 and 276/277) for multiple trading partners and two separate Blue Cross Blue Shield organizations through the Blue Exchange. Three separate C# applications were developed, each of which used a common function library. The three applications were 1) a Windows Service application, 2) a Web Service application, and 3) a Test Suite testing tool. The Windows service ran on a Facets Application Server and read the inbound queue of the IBM WebSphere MQ Server, performed some pre-processing edits, sent the transaction to the HIPAA Gateway Web Service, performed some post-processing edits on the response, and placed the edited response on the outbound queue. The web service application provided access for trading partners so that they could submit those same transaction types directly. The Test Suite testing tool allowed the QA tester to load and send specific transactions through the MQ Server, through the external Web Service, or through an internal direct connection and capture the resulting response transaction for compliance analysis. It also provided the ability to identify multiple transaction files to run through the system in mass, thus allowing easy regression and performance testing.

Environment:

> Windows 7 Workstation, Windows Server 2012, IBM WebSphere MQ, MS Internet Information Server, MS Visual Studio, MS SQL Server 2012.

Responsibilities: (Senior Developer)

- Developed a written requirements document detailing the design and functions of each of three applications.
- Solely developed the pre and post-edits used to manipulate the content of the 270, 271, 276, 277, 997, and 999 X12 transactions being processed.
- Solely designed and developed the Test Suite Testing Tool. This included:
  - A selectable configuration that allows the tool to point to one of 4 environments
  - An override section that allows individual overrides of any environment variable
  - A single transaction processor that allows the submission of a request transaction through one of three delivery mechanisms
  - A multi-transaction processor that allows the tester to load multiple transactions at one time and have them submitted for processing at a predetermined time interval.
- Solely developed a reporting tool that would extract pertinent data from the transaction logs and provide both detailed and summary reports for MQ and Web Service transaction activity.

EliteRenovations.us   *St. Louis, MO*

Project Timeline: Jan 2015 – July 2015

Elite Renovations (ER) needed a website that would allow its potential clients to view the type of work that they were capable of producing. The website had to include the ability to upload photo images of past work, the ability to easily describe and categorize those images, and the ability to retrieve the images by any one of the categories. Since customer satisfaction was important to ER, the website had to contain a testimonials page and the ability to update that information easily.

Environment:

Windows 7 Workstation, Windows Phone, Android Phone, Apple iPhone, MS Visual Studio, MS SQL Server 2012, Brackets, npm, node.js, bower, yeoman, git, Grunt, Gulp, Karma, Protractor.

Responsibilities: (Architect/ Website Developer)

- Captured website requirements detailing the content of each webpages to be included.
- Developed a prototype showing the overall design and layout, color scheme, and functionality.
- Collected the initial images to be displayed on the Home, Contact, About, and Photo Gallery pages.
- Designed and developed the backend database used to capture the information pertaining to each image.
- Created the initial website using ASP.NET with a Razor/CSHTML format and then incorporated HTML5, CSS3, Bootstrap, and AngularJS, providing a more responsive experience across the multiple devices.
- Provided post production support for http://www.eliterenovations.us.

GenPact-Jawood, Senior Consultant, May 2013 to March 2014

Noridian Mutual Insurance Corporation (NMIC)   *Fargo, ND*
(Noridian Healthcare Solutions, Blue Cross Blue Shield of North Dakota, Blue Cross Blue Shield of Wyoming, Blue Cross Blue Shield of Nebraska)

Project Timeline: May 2013 – October 2013

The client was replacing its EDI processing engine with a more robust, configurable, and scalable suite of products. Because the X12 transactions were being processed for BCBSND, BCBSWY, Iowa Medicaid, and CMS, extra care was taken to ensure that those X12 transactions were processed accurately, efficiently, and within the SLA's dictated by CMS and the Blues Association. Noridian Healthcare Solutions was awarded the contract to process CMS Medicare claims for Jurisdiction E, in addition to Jurisdiction F, and the anticipated increase in transaction volume needed a more robust and more economical solution. As Senior Project Manager for this effort, I needed to coordinate the activities of multiple departments within not only NHS, but also coordinate those activities with a number of other organizations, like BCBSND, BCBSWY, IAMCD, CoreLink, and the software vendor. Additionally, I took over the project management of a Provider Portal Project which used the Agile development methodology and Jira to manage, track, and report on its progress.

Environment:
- Windows 2008R2 Application and Web Servers, LINUX EL6 Application and Database Servers, TIBCO Application Suite (TI Portal, Foresight, Business Connect Gateway, Business Connect Interior, Business Works, Instream), Oracle 11, Windows 7, Windows Office 2010, MS Visio 2010, MS Project Professional, Project Server, SharePoint 2007 & 2010, MS SQL Server 2008, Jira.

Responsibilities: (Senior Project Manager)
- Worked primarily with the NHS EDI Team and TIBCO, the 3rd party software vendor, to develop the project plan that would encompass the efforts of 6 separate business entities and multiple departments within those business entities.
- Worked within the EPMO department of NMIC (the parent company) and helped coordinate the use of resources that were working on several federally demanded projects, like the Affordable Care Act (PPACA or Obama Care), Health Insurance Exchange (HIX), and the newly acquired contract for Jurisdiction E of CMS.
- The design, procurement, and installation of a significant infrastructure that transcended four separate environments within their SDLC model.
- The communication of processes from that infrastructure to various internal platforms including a mainframe and various external sources including the Blue Exchange.
- The research, design, and implementation of a multi-company, multi-departmental testing effort that included issue tracking, triage, resolution (break-fix), and retesting.
- The successful deployment of that solution into production
- The support network for that solution, thereafter.
- The project management of a second project, a provider portal, used to register providers and test the validity of their electronic claims submissions.

All Business Computer Services LLC, Senior Consultant, Jan 2005 to 2012

MED3OOO   Pensacola, FL
(through HP Technologies)

Project Timeline: August 2011 – July 2012
The client wanted to deploy TriZetto's WebSphere-based CWS Web Portal to 5 separate environments for 3 separate customers, including the State of Florida's Children's Medical Services, and perform custom modifications, specific to each customer, to each web portal. The modifications involved Java Server Pages, JavaScript, HTML, CSS, MS SQL stored procedures, Web Services, Windows script command files, and WebSphere configuration changes. Some of the modifications made to the CWS web portal were in concert with C# extensions made to the Facets GUI application. All modifications included the creation of supporting documentation and storing all file modifications within the TFS source code repository.

Environment:
- Facets 4.71, CWS 4.61, Windows 7, Windows Server 2008 and 2003, MS SQL Server 2008, IE 8 & 9, WebSphere 6.1, Java, JavaScript, HTML, and CSS

Responsibilities: (Lead Web Developer)
- Worked with the Development Team to develop the modifications to the TriZetto's standard CWS web portal to address the specific needs of each of the client's customers.
- Installed the CWS web portal and supporting software on the associated SQL Server Database Servers and Facets Application Servers in each of 5 separate environments (15 separate servers).
- Created documentation that defined the step-by-step process for performing those installations in case the client needed to install additional environments. This lead to a standardized installation process and a standardized deployment.
- Created a standard directory structure and supporting command files to start, stop, and monitor the operation of the web portal and supporting software.

Partec Inc., Senior Consultant, May 2000 to August 2002

Blue Cross Blue Shield of Missouri   St. Louis, MO
Web-based COM+ ftp Object Creation

Project Timeline: June 2001 - September 2001

The client was developing a new Windows-based intranet/internet website that would allow clients to download important documents directly to/from BCBSMO Web Servers. The HTML employed ASP, JavaScript, XML, XSLT, and ODBC connectivity to an Oracle 8i database to control client access and a special directory connected to a UNIX platform to store the selected documents to be downloaded.

Environment:

- Windows 2000, Visual Basic, Visual InterDev, ftp, Component Services Manager

Responsibilities: (COM+ Object Development Technical Lead)

- Designed, developed, and tested an ftp COM+ object that could be called by intranet and internet web pages to transfer files from Blue Cross Blue Shield to any of their clients' computers (about 1000 lines of code).
- The COM+ object would allow direct transfer as well as transfers through a remote Proxy Server.

CoForce.com   St. Louis, MO
Chief Technical Officer

Project Timeline: August 2000 - December 2000

The client was developing a new web site development tool that would allow a non-technical person to create and update web page content dynamically. The tool was comprised of multiple COM objects, HTML, ASP, JavaScript, ADO, and ODBC connectivity to a MS SQL Server database where the web page content was stored. Newly developed code/features were being promoted to production before they were fully tested. The client was experiencing consuming client support problems, missed delivery dates, and over-budget conditions.

Environment:

- Windows 98 / 2000, Visual Basic, Homesite, JavaScript, Component Services Manager, ASP, Internet Information Server, Site Server, ftp

Responsibilities: (Chief Technical Officer)

- Provided assistance to the company President in all facets of software development.
- Established a development team to create the web site development tool that became the primary product.
- Defined and established procedures for creating, storing, and archiving source code.
- Defined and established procedures for migrating code from development to QA to production.
- Analyzed the site provider performance and made subsequent improvements.
- Co-Designed and managed the development of a General Motors web site used for the collaboration of multiple regional teams leading up to a final presentation by all teams at a national GM meeting.

Computer Sales International   St. Louis, MO
OnTrack 2000 Application

Project Timeline: May 2000 - October 2000

The client was moving from an HP/UX platform to a Windows 2000 web-based n-tier application platform using MS Proxy Server, MS Web Cluster Servers, MS SQL Server, and MS Application Server. The HTML employed ASP, JavaScript, XML, XSLT, ADO, COM+, and ODBC connectivity to a MS SQL Server 2000 database.

Environment:

Windows NT 4.0, 98, 2000 Professional, & 2000 Advanced Server, MS Cluster Server, MS SQL Server 7.0 & 2000, Active Server Pages, HTML, COM+, MTS, MS IE 5.0, XML

Responsibilities: (Shared Project Management & Application Design/Development duties with VP of IT)

- Analyzed existing hardware, operating systems, application software, and facilities.
- Analyzed the skill set of the project team and made recommendations regarding the needed training.

- Helped define hardware infrastructure required to support the 24/7 thin-client applications. MS Office, MS Excel, MS PowerPoint, MS Word, MultiMate, Norton Utilities, Word Perfect, Timeline, Visio, Lotus Notes, MS Exchange Server, MS Proxy Server, Source Safe.
- Participated in third-party software vendor negotiations
- Provided management assistance to Engagement Manager in defining, designing, creating, and implementing a Web-based n-tier application to replace the existing UNIX-based application.
- Defined project scope.
- Developed project plan for secondary project to allow MIS staff to get acquainted with new technology and platform prior to their involvement in the mission critical application.
- Defined rollout schedule for all phases of main project.
- Determined staffing requirements for rollout and continued support of the application.
- Created implementation plan to coordinate activities of several internal departments with third-party software vendor deliverables.
- Defined procedures used for unit, system, integration, regression, capacity, stress, and performance testing.
- Define standards for Internet application development.
- Define standards and procedures for SQL Server use and maintenance.
- Mentored DBA staff on use and configuration of Microsoft SQL Server.

All Business Computer Services, Inc., President, March 1991 to February 2000

WAN Technologies   *St. Louis, MO*
(through Maryville Technologies)
Customer Support Web Site

Project Timeline: October 1999 – February 2000
The client wanted to develop a secure web-based application that would access the database of its existing internal customer support database and make certain portions of that database available to some of its key customers.

Environment:
- Windows NT 4.0, Active Server Pages, HTML, DHTML, MS SQL Server 6.5

Responsibilities: (Technical Lead)
- Analyzed existing customer support application and database.
- Designed and created a web-based ASP interface for the customer support database.
- Designed mechanism for extracting pertinent data from the SQL Server database.
- Configured SQL Server to handle anticipated load volume.
- Implemented a secure front-end to allow only authorized access to historical customer data.
- Integrate the newly designed web interface into the existing web system.