BRIAN A. JACOB
BAJA Web Creations

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Software Programmer/Analyst/Engineer or Equivalent

Qualification Summary:

Accomplished Systems Analyst with a proven record in software analysis, design, development and implementation, exhibiting creativity in delivering successful, cost-effective and high-performance technology and information system solutions, bringing common sense, organizational skills, and a logical decision-making process to solving time-critical problems.

Languages used:

SharePoint 2007, JQuery/JQueryUI, ASP.NET, **C#.NET, CSLA.NET, WCF**, **ExpressionEngine 2.3.1, PHP, JQuery, AngularJS, JavaScript**, Prototype, CSS3, **Classic ASP**, **DHTML, Social Media**, **VB.NET**, **XHTML**, **XML**, **XSLT, AJAX, Photoshop Elements, Visual Basic 6/VBA/ VBScript,** Delphi, **Transact-SQL**, MySQL, MSSQL Server, DevExpress and Access Databases, Java EE**,** MSDOS (Batch Executables), DB2, COBOL II, MVS/VSE JCL, CICS, RPG

Certifications:

Windows Server 2008 Active Directory Domain Services Configuration, May 2011

Platforms used:

SQL Server 2005 & 2008, Windows XP, Windows Vista, Windows 7, MVS 370/390, VSE 370

EXPERIENCE:

KForce – Des Moines, IA

Application Software Engineering Consultant, Wells Fargo Retail Lending   Oct 2014 – Present

➢Re-Engineered documents processing system into the **Cloud Solution** using ASP.NET/C#/ VB.NET, MSSQL Server, SOAP Web Services.

Accomplishments:

➢Created a Web Console (SPA) for displaying, editing and resubmitting rejected MQ messaging transactions as part of the Rewards program.
➢Created a Web Application to isolate fraudulent transactions for American Express.
➢Wrote C#.NET application to buffer upcoming years FDR cycle dates by cycle code.
➢Fixed bad expiration date dynamically using VB.NET on CD-055A report from FDR to keep night-cycle from breaking.
➢Enhanced the CD-457 Amex Rejects SQL data load.
➢Assisted with the implementation of a major quarterly install.

The Palmer Group – Des Moines, IA
Software Developer Consultant, CloudNet Project, Farmers Mutual Hail   *Feb 2014 – Sep 2014*
➤Re-Engineered documents processing system into the **Cloud Solution** using ASP.NET/C#
4.5 using Visual Studio 2012, **WCF (Web Services)** and **Oracle, IBatis (XML/SQL Mapper),
Perforce, QuickBuild, Resharper, NUnit, TestTrack, Trello**.

Accomplishments:
➤Refactored Spring Expired and Cancelation Notice XMLs.
➤Refactored Agent and Insured Loss Acknowledgement Letter XMLs.
➤Merged MPCI (Federal) and Private Insurance Coverage Mappers and refactored unit tests.
➤Created a process to selectively stop/start document XML generation.
➤Set up a DocConversionBatch application to test the APH Summary Event Handling process
and provided a Wiki page detailing its usage.

Bass & Associates Inc. – Omaha, NE
Software Engineering Consultant, Web Development, GiftCertficates.com   *Sep 2013 – Jan 2014*
➤Project Destiny - Re-Engineered website backend into an **n-tiered architecture** with C#
4.5/**CSLA 4.1** using Visual Studio/TFS 2012, **WCF (Web Services), WPF 4.5** and DevExpress
13.1, MSSQLServer 2012 and AngularJS.

Accomplishments:
➤Started integrating Web Front-end with AngularJS.
➤Converted Fulfillment (WPF) Application to a tabbed format and added Batching functionality.
➤Interviewed prospective applicants and consultants.
➤Refactored eConnect Web Service to update Great Plains inventory.
➤Built Payment Detail page and BillTo object.
➤Added Order Search by Credit Card Number functionality.

Client Resources Inc. – Omaha, NE
Web UI Consultant, EBusiness, First National Bank of Omaha   *Apr 2013 – Aug 2013*
https://www.firstnational.com/site/corporate/banking/online-banking/
*** This was an intended short-term contract to allow me to refine my CSS development skills.*

➤Development of the **Commercial Card** enhancement of the **Commercial Banker**
web application, utilizing SpringSource Tool Suite (Eclipse) 2.91, FreeMarker struts
and UI macros, CSS3, JQueryUI, Java EE and XML (SOAP Web Services) in MVC and SOA
architectures. AGILE Methodology.

Accomplishments:
➤Java Properties file merge.
➤Restyled Cash Management proxy pages.
➤Invoicing and Payments.
➤Online Enrollment.

- ➢Adding Products online.
- ➢User Profiles.
- ➢Manage Users.
- ➢User Permissions (Admin, Accounts-Payable and View-Only roles).
- ➢Commercial Card Alerts.
- ➢Site Navigation using XML.
- ➢Assisted QA Team on Account Detail Page Verification.

American National Bank – Omaha, NE
System Analyst - Web Services, http://www.anbank.com   *Mar 2011 – Mar 2013*

- ➢Maintained and enhanced the ANB Internal and External websites for 29 Branch Offices using **SharePoint 2007(WSS) / 2010 Foundation**, **ASP.NET 3.5, C#, jQuery/jQueryUI, XML/ XSLT, AJAX, Classic ASP, SQL Server 2008, MS SQLServer Management Studio, SSRS, MS PowerShell.**
- ➢**SharePoint WSS 2007/2010 Administrator**.
- ➢Rewrote the entire company intranet into **ExpressionEngine 2.3.1 on WAMP**.
- ➢**MySQL Database Administrator**.

Accomplishments:
- ➢Rewrote company intranet onto SP2010 Foundation.
- ➢Rewrote Money Order & Cashier's Check processes onto SP2010 using true ASP.NET/C#/MS SQL Server interfaces.
- ➢Created RSS feeds for both the SharePoint 2007 and Expression Engine 2.3.1 intranets.
- ➢Trained four End-Users to make SharePoint updates.
- ➢Created a PDF-based Branch Key Log and Audit application using Adobe Acrobat X Pro.
- ➢Built a real-time online Approval Process using PHP/MySQL and AJAX Web Service calls for approving large-amount Cashier's Checks.
- ➢Built an Appraisal Evaluation Order List Form with email notification for the Real Estate Dept.
- ➢Converted an on-line printer install application to an XML/XSLT Web Service application.
- ➢Rewrote SharePoint lists and C#/JQuery scripts handling Cashier's Check and Money Order creation and logging.
- ➢Revamped the Cashier's Checks/Money Order extract audit processes using PowerShell.
- ➢Revamped company-wide SharePoint permissions using MS Active Directory.
- ➢Redesigned the Human Resources, Loan Ops and Consumer Lending Home Pages.
- ➢Supported the Auction and Raffle fund-raising activities for the United Way.
- ➢Helped Create Dashboards for the Retail Department using Qlikview BI Enterprise Edition.

Nebraska Red Zone – Omaha, NE
Lead Web Developer, http://www.nebraskaredzone.com   *Jul 2010 – Mar 2011*
        http://blog.nebraskaredzone.com
** This position was advertised as an ASP.NET, not Classic ASP, position. I left after one season for a true ASP.NET opportunity.

- ➢Maintained and enhanced the Nebraska Red Zone e-commerce and blog sites designed to sell

University of Nebraska athletic apparel using **Classic ASP, XHTML, CSS, Javascript, JQuery, PHP, WordPress, FrontPage and Dreamweaver**.

Accomplishments:
➢Added popular social-media (Facebook (Like), Twitter, Digg, StumbleUpon) link-buttons to all product pages.
➢Helped redevelop the Home Page appearance and animation.
➢Built an emailing web form from scratch.
➢Helped create a blogging subdomain to support the E-Commerce SEO ratings.
➢Created displays to indicate when orders would ship and when their estimated arrival.
➢Created an electronic Gift Certificate.
➢Enforced comprehension of NRZ's shipping policy on every order.
➢Created a remaining shipping days countdown display keyed to each game on Nebraska's schedule.
➢Created a Stock Item Database entry application for building each season's item catalog using VBA and Access 2007.

Robert Half International – West Des Moines, IA
Web Contractor, http://firestoneag.com/dealerresource/login.aspx   ***Jun 2010 – Jul 2010***
** This contract was a back-fill to finish up for another contractor who left early.

➢Helped analyze and debug the Firestone Ag Tires Regional Dealership Website via the Meyock Group, Inc. Back-end coding utilized **ASP.NET 2.0 (VB.NET)**, **Javascript, Prototype**, **CSS, AJAX, XML**, Firebug for Firefox, Dreamweaver, VB Studio, Filezilla and jsFiddle.

Accomplishments:
➢Stepped in to complete an abandoned contract.
➢Responsible for analysis and back-end coding of a highly complex web site.
➢Fixed/Updated MasterPages, MasterPage Partial Class, Javascript and XHTML files.
➢Successfully applied numerous disparate technologies to successfully complete a project with a very tight deadline.
➢Revamped the site navigation.
➢Updated data capture and field validation Contact page email.
➢Revamped Tire images download dropdown and linked subpages.
➢Fixed dropped Cookie information being passed to the Fulfillment page and its subpages.
➢Controlled differential file access for Administration, General and Regional Managers, and Direct
and Associate Dealers.
➢Handled invalid logins.
➢Engineered new Application to Attend process utilizing an XML solution.

Corporate Travel Safety – Marina del Rey, CA via Mondamin, Iowa
Web Developer Subcontractor, http://www.corporatetravelsafety.com   ***Jan 2010 – Feb 2010***
➢Helped reorganize and convert a website owned by a LAPD Detective geared towards the

dissemination of travel safety information and the sale of associated travel safety devices. Conversion and programming included the use of **HTML**, **PHP, MySQL and WordPress**.

Accomplishments:
➣ Converted 100+ existing web pages into a **MySQL** database format in **WordPress**.
➣ Converted said web pages from standard **HTML** to include **PHP**.
➣ Improved performance by using **MySQL** queries drive new site navigation.

American Computer Services, Inc – Des Moines, Iowa
Contract Developer, Business Solutions Team, Farm Bureau Insurance   Sep 2008 – Dec 2008
   ** Farm Bureau was made aware at the beginning of this contract that I would have to complete
it   *by the end of November, as my house's waterlines prohibited me from commuting to Des Moines during the winter.*

➣ Conversion of TestPartner (Compuware) Scripts to issue/reissue multiple-policy insurance accounts using **VBA 6.0, Java (J2EE),** Access and Excel.
➣ Developed master driver file using Access and VBA to drive converted process.
➣ Unit and system tested converted process.

Accomplishments:
➣ Merged over 35 policy scripts into one fully flexible master script using **Object Oriented** techniques.
➣ Merged separate processes for eight client-states into one common process.
➣ Eliminated run-time window hang-ups.
➣ No Extensions accepted due to not desiring to commute during the winter.

Quest Solutions, Inc – Des Moines, Iowa
Contract Developer, Flex Billing Team, Nationwide Insurance   Feb 2008 – Sep 2008
➣ Analyzed, designed, coded, test and implemented enhancements for the Catalyst Project
relevant to   commercial changes in the state of Florida using DB2, COBOL and CICS.
➣ Regression-tested Affinity subsystem changes.
➣ Analyzed Electronic File Transfer process.

Accomplishments:
➣ Helped develop the cycle-billing methodology.
➣ Introduced network-based processes for tracking and documenting code changes and long-term test file storage.
➣ One Extension accepted.

Mid America Computer Corporation (MACC) – Blair, Nebraska
Programmer Analyst / System Analyst, Customer Master & Bill Master Teams Nov 2000 – Jan 2008
➣ Wrote and maintained **Transact-SQL**-based Stored Procedures, Functions and Triggers.
➣ Converted Delinquency Reports in Customer Master to use DLL calls and Stored Procedures (**Transact-SQL**) to enhance efficiency and maintainability.

- ➤Enhanced the Network Number Selector Form and Stored Procedure in Customer Master.
- ➤Developed and maintained the Customer Master Trouble Report and associated processes.
- ➤Maintained and developed Customer Master reporting packages using **Report Builder (SSRS)** and **Crystal Reports**.
- ➤Proactively converted the Surcharge Maintenance process using **VBA 6.0, VBScript** and in-line SQL in conjunction with an Access Database and MS-DOS Batch files.
- ➤Wrote **VBScript-driven queries** to use an Access database to control DOC1 processing and maintenance for over 300 individual companies. Wrote a **VBA 6.0 interface** to manage this Access database.
- ➤Helped develop an **XML** file format process to maintain an **E-Billing** process via the **DOC1**

Bill   (Pitney-Bowes 3rd Party Bill formatting software package) creation process.
- ➤Converted the Bill Master process to run on a network environment.
- ➤Provided leadership and technical direction in re-engineering the Bill Master process to make it more efficient and effective.
- ➤Developed data streams, processes, and mainframe and network models to optimize

architecture   and to evaluate the performance and reliability of the highly technical and complex **DOC1** bill   formatting process.
- ➤Coordinated with other software development teams to develop application software and

process   control software systems.
- ➤**Developed a website** documenting the entire process and linking code, copybooks, JCL and

other   miscellaneous information using **ASP.NET**, **HTML and JavaScript**.
- ➤Wrote, modified, integrated and tested software code and maintained existing computer

programs   by making modifications as required using COBOL II, MVS JCL, RPG, **HTML**.
- ➤Identified and communicated technical problems, processes and solutions.
- ➤Prepared reports and other documentation on the status, operation and maintenance of the Bill Master software.
- ➤Assisted in the collection and documentation of customer-focused requirements (both from our **Client/Server** team and client companies).
- ➤Assisted in the development of logical and physical specifications.
- ➤Automated manual processes in line with the companies goals and objectives.

Accomplishments:
- ➤Reduced script run-times for an individual client company and engineered easier maintenance

tools   and applications.
- ➤Introduced innovative, forward-thinking technologies.
- ➤Reduced production error rates to less than 1% per billing cycle while reducing company run-times by over 50%.
- ➤Reduced code duplication substantially.
- ➤Modularized and re-engineered all job streams and critical programs.
- ➤Increased efficiency and effectiveness of the Bill Master process.

Education:
2011-2013   End-User and Developer Training for **SharePoint (MOSS) 2010**
                           Expression Engine 2.3.1 via Creat-ee.com

2003 - 2010	Additional training: **C#, C++, Java**, Transact-SQL, **Perl**, **VB 5.0, 6.0 VBA,** **VBScript**, **HTML, XML**, **SAS**, DB Management
June 1995	Ph.D. Candidate, University of Connecticut
August 1990	M.S., Texas A&M University
May 1988	B.A., University of Nebraska – Omaha, Cum Laude

Honors and Awards:

1994	Published two professional papers from my Master's Thesis
1989, 1992 - 1995	Visiting Research Scientist, **Harvard University** and **Smithsonian Institute**
June 1990	2nd Place, ASIH Stoye Award, **Best Student Presentation**, National Meeting
1985 – 1988	**Dean's List**, University of Nebraska - Omaha
1983 – 1987	Ak-Sar-Ben / Omaha World Herald Scholastic Scholarship Recipient