BRAD CHRISTIE

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OBJECTIVE

Senior Software Developer Position

SUMMARY OF QUALIFICATIONS

More than 10 years of software experience, with strong problem-solving skills and architecting solutions from the ground up.

Extensive knowledge of various technologies and software, able to approach problems and come to an informed decision about direction and implementation.

Highly proficient as liaison, working alongside end-users to understand their requirements and provide invaluable feedback to the development team.

Writing solutions for today amidst planning for tomorrow, focusing on the details in current projects and forecasting future enhancements.

TECHNICAL BACKGROUND

Languages: C#, JavaScript/jQuery, X/HTML/HTML5, PHP, CSS/3, LESS, VB.NET (more upon request)
Databases: MySQL and SQL Server
Source Controls: Git, Team Foundation Server (TFS), Subversion (SVN)
Familiar APIs: Salesforce, Microsoft Exchange (EWS), Exact JobBOSS, Sage ACT!, SolidWorks, DYMO Label
Practical Knowledge: Code Contracts, Dependency Injection (DI), Design Patterns (e.g. Decorator, Factory and Repository), Inversion of Control (IoC), N-Tier Applications, Service-oriented Architecture (SoA), Software as a Service (SaaS), Test-Driven Development (TDD), Unit Testing
Experience With: ADO.NET, ASP.NET, ASP.NET Forms Authentication, ASP.NET Identity, ASP.NET Membership, ASP.NET MVC 3-5, Code Contracts, Entity Framework 4-6 (EF), KnockoutJS, LINQ, MySQL, OAuth, Owin/Katana, Silverlight, SQL Profiler, SQL Server, SQL Server Management Studio, Twitter Bootstrap, Unit Testing, WCF, WPF
Applications: Exact JobBOSS, LINQPad, Visual Studio, .NET Reflector, Jenkins, SolidWorks, TeamCity
Third Party Experience: AppHarbor, Azure, GitHub, SalesForce

PROFESSIONAL EXPERIENCE

SYSTEMS SPECIALIST THE RAPID GROUP
MAY 2013 – CURRENT

Adapted existing web-based [RAPID MACHINING] solution to work with proprietary customer-facing website.
- Tied internal quotes in with customer-facing website and database.
- Exposed endpoints for use within internally developed SolidWorks plugin.

Initiated use of GitHub for central repository for all development projects.
- Private repositories established to house existing projects.
- Issue tracking done through GitHub allowing visibility of ownership and history.
- Code reviews performed in-line using GitHub's website.

Initiated internal use of NuGet for deploying and versioning internal libraries.
- Libraries are built and deployed to internal NuGet feed and used within other projects.
- Strict versioning allows integration with new projects without breaking existing references.

Married solutions written for RAPID SHEET METAL and RAPID MACHINING into one cross-company solution.
- Services exposed via web API.
- Tied multiple WCF endpoints together for use through web API.

- Tied multiple databases together and exposed through web API.
- Front-end developed into N-Tier application using MVC5 and tied in through AJAX using jQuery and KnockoutJS.

SYSTEMS SPECIALIST NH RAPID MACHINING, LLC
JUNE 2010 – MAY 2013

Migrated existing solutions from RAPID SHEET METAL to fulfill needs in recently acquired sister company.

Developed various reports to output management-defined metrics.
- Information supplied via SQL queries which later turned into views for consistency across multiple projects.
- Views tied into Excel allowing for additional dissection and interrogation (while also maintaining live auto-updating).

Initiated development on alternative estimating engine that directly tied into ERP (and later into customer-facing portal).
- Existing estimates are retrieved from ERP and output to webpage for editing/refinement using ADO.NET and ASP.NET MVC4.
- Calculations performed in business layer and transported back to UI layer for review.
- Final result imported back into ERP using SDK and straight SQL calls.

Designed and developed scheduling system to allow management to closely monitor and assign work to manufacturing floor.
- Work load and facilities extracted from ERP and supplemental database developed with Entity Framework Code-First.
- User interface exposed via ASP.NET MVC4 and KnockoutJS for seamless design and interaction.
- Modifications posted back via AJAX calls and propagated to all clients.

Initiated development on inventory management system to supplement shortcomings of ERP system.
- Structured new database schema using Entity Framework Code-First to store and retrieve information.
- Built middle tier responsible for handling validation and business logic.
- Front-end exposed through ASP.NET MVC4 and KnockoutJS.
- Additional functionality added for integration with ERP and fulfil purchasing requirements with outside vendors.

SOFTWARE ENGINEER RAPID SHEET METAL, INC
SEPTEMBER 2007 – JUNE 2010

Designed and developed an assortment of reports to display management metrics coming from ERP database.
- Queries written for SQL Server 2005 and finalized into views.
- Results compiled using PHP through PDO statements.
- Summarized results output using HTML, jQuery. Highcharts and Google Charts API.

Developed service to expose ERP' SDK through a series of WCF calls (allowing access from multiple clients while also minimizing required licenses needed).
- Due to limitations of ERP, service was developed to limit number of concurrent users; This service would later support numerous calls that would require a full seat/license of the ERP software.
- Service written as WCF endpoint exposed through a windows service.
- ERP communication opened through COM interfaces making resource management critical.
- Payload sent and received via formulated XML based on provided schema.

Initiated development on estimating engine that generated quotes based on proprietary calculations and imported directly into ERP.
- Front-end developed in PHP with jQuery and backend used for computing business logic.
- Final result processed and imported using ERP's SDK and SQL queries/stored procedures.

Designed, developed and maintained Outlook add-in for bridging gaps between correspondence and CRM.
- Wrote independent WCF service acting as middleware for Outlook and CMS.
- Add-in written in C# using WinForms.

Wrapped third-party license server into windows service allowing installation on server without the need for logged-in user account.
- Application wrapped in windows service allowing constant communication through server cycles and maintenance.
- Service retained communication to USB licensing dongle.

Worked closely without outside consultant on customer-facing portal using N-Tier architecture.
- Backend database schema designed and implemented in SQL Server 2008.
- Business logic and processing exposed through windows service and WCF endpoints with security protocols.
- Front-end designed with ASP.NET and jQuery ensuring functionality on multiple browsing platforms.

CERTIFICATES | **DEVELOPING SQL SERVER REPORTS FOR EXACT PRODUCTS**, MIDDLETON, MA
MAY 2011

SILVERLIGHT FOR DEVELOPERS, WOBURN, MA
OCTOBER 2010

EDUCATION | **NEW HAMPSHIRE TECHNICAL INSTITUTE**, NASHUA, NH
2004 – 2007

Activities & societies: President of Player's Club (club promoting technology and computers)

MERRIMACK HIGH SCHOOL, MERRIMACK, NH
2000 – 2003

Participated in the Cisco Certified Network Associate (CCNA) program completing two semesters.

REFERENCES | Provided upon request.