Cliff Bowman

Resume@CliffBowman.com
503-750-8931
Beaverton, OR

Introduction

Senior software engineer with 15+ years of experience in software development. Proficient in analysis, design, development, testing, deploying and supporting server-side, web, and desktop applications. Comfortable working with an existing code base and migrating it towards best practices or starting from scratch and building from the ground up with best practices in mind. Known as an adept troubleshooter and thoroughly enjoy performance tuning. I'm easy to work with, reliable, adaptable, passionate, results oriented and a continual learner.

Experience

Application Developer III   2016 - 2019
CareOregon   Portland, OR

- Developed corporate dashboarding and reporting portal for internal and external clients.
    - Built on ASP.NET Core, Angular with Material using C#, Typescript and SCSS.
    - Leveraged Tableau and SSRS APIs for content and metadata.
    - Implemented middleware to reverse proxy Tableau Javascript API calls to prevent direct client access to the corporate Tableau server.
    - Integrated Azure Active Directory for identity management.
    - Collaborated with various business teams and end users during design and requirements gathering phase.
    - Presented regular updates during development cycle to guarantee design met the needs of the end users.
    - Provided user level landing page customization utilizing Material's drag-n-drop functionality.
    - Leveraged some newer SQL Server features including temporal tables and built-in JSON support.
    - Fully CI / CD leveraging Azure DevOps. Post build validation with C# and Jasmine unit tests and Protractor for end-to-end testing.
- Maintained internally developed Care Management website.
    - Built on ASP.NET MVC, Javascript with large portions migrated to Angular, Typescript and SCSS.
    - Created a Member 360 portal that provided a complete picture of members combining multiple data sources from various enterprise systems.
    - Maintained SQL Server reporting schema including stored procedures, views and triggers. Profiled, analyzed, and optimized many stored procedures to reduce report generation time.
- Developed and maintained internal operational software.
    - Introduced SQL CLR to improve security and increase performance by orders of magnitude over xp_cmdshell calls.
    - Created an internal provider search website integrating Google Maps APIs for geolocation and map display.
    - Created a generic data extractor for sending data warehouse snapshots to external clients.
    - Created a Windows service wrapping Quartz.net to handle background scheduling needs.
- Proponent for continual improvement in many areas.
    - Lead push to move from ASP.NET MVC to ASP.NET Core / Angular.

- Lead migration from TFS Server to Azure DevOps.
- Demonstrated multiple ways to leverage various Azure services to simplify ETL processes.
- Continually pushed for improving security and gave demonstrations on how to prevent common attacks like SQL injection.
- Successfully lead push to upgrade workstations by providing ROI documentation to management.
- Worked with network engineers to harden externally facing web servers.

Independent Contractor   2014 - 2015

Earth Class Mail   Beaverton, OR

- Integrated Google Drive, Dropbox, and Box cloud storage into customer website. This includes developing infrastructure for managing OAuth authentication tokens, web services and user interfaces for managing client authentication information, as well as a robust engine to perform mail routing and a notification system in case of failure.
- Developed a rules engine to give clients advanced control on how mail was routed, similar to Outlook rules.
- Maintained and improved existing operational infrastructure. This included a TWAIN based WPF client for scanning mail, an ASP.NET client for billing and reporting, and an application server hosted in a Windows service.
- Implemented multiple USPS and Fedex barcode parsers to improve automated mail delivery.

Senior Software Developer   2013 - 2014

Snapflow   Portland, OR

- Developed a REST API platform to handle CRUD actions against dynamic customer schemas.
- Integrated Amazon AWS S3 file service for user generated content storage.
- Implemented a CSV based data import API.
- Enabled user generated Javascript execution in the platform for complex business rules.
- Created Visual Studio load tests to measure and track performance.
- Extensively profiled platform performance using the Visual Studio profiler and MiniProfiler. Made improvements that resulted in multiple orders of magnitude improvement.

Senior Software Engineer   2012 - 2013

Thug Design   Portland, OR

- Developed a WPF application leveraging Intel's Common Connectivity Framework to connect laptops with mobile phones.
- Collaborated with user experience designers to create beautiful pixel perfect user interfaces.
- Integrated Evernote and LinkedIn cloud services.
- Assisted in Android development. Co-developed a socket level protocol to simplify communication over the CCF framework.
- Brainstormed with Intel management to explore other potential application ideas utilizing the CCF framework.

Senior .Net Developer   2010 - 2012

Earth Class Mail   Beaverton, OR

- Successfully created and launched Earth Class Mail's mobile website.
- Maintained and improved a TWAIN based WPF client that was responsible bulk scanning and mail operations.
- Maintained operational website developed with ASP.NET.
- Successfully developed and migrated legacy email templating system to one that supports template inheritance, data binding, and localization with T4.
- Developed and maintained .Net WCF end points to handle ASP.NET requests.

Senior .Net Developer   2009 - 2010

Bonneville Power Administration   Portland, OR

- Maintained and improved the Pisces desktop application and supporting infrastructure.
- Coordinated with multiple internal and external teams during a data center migration.
- Developed UML diagrams and documentation of the Pisces infrastructure for communication with external teams.

Software Engineer   2004 - 2008

Business Objects / SAP   Portland, OR

- Successfully migrated legacy ASP / VB / C++ web application to a more common three tier ASP.NET / C# / VB (ActiveX) platform.
- Successfully redesigned the dashboard technology used in the ASP.NET and desktop application clients.
- Lead stress testing and performance optimization initiatives.
- Mentored junior developers and provided assistance as needed.
- Designed and implemented multiple web services.
- Received the Customer Success award for supporting the General Electric deployment.

Education

Walla Walla University   1996 - 2000

Bachelor of Science in Computer Science   Walla Walla, WA
Minor in Mathematics