

Summary

Baydon Rowe is an independent Software Developer and SharePoint Consultant with over ten years of experience in the IT industry. Baydon uses his skills and experience in software development, testing, and information management to produce high quality, secure, and scalable technology solutions for clients.

Baydon has experience in a wide range of development environments, testing methodologies, and network infrastructures. He has been involved in the many facets of the Software Development Life-Cycle in a variety of IT roles including developing enterprise solutions for securely managing employee personnel and payroll information, ensuring the quality and security of user experiences on both web and client based applications, building server farms for hosting internal and external web applications, and planning and deploying information portals to streamline access to business information and processes.

Areas of Expertise

Architecture and Development of Windows and Web Applications:

- Architecting software solutions based on business requirements and supported technologies
- Documenting business and technical requirements, establishing design and development processes
- Training and mentoring developers in new technologies and methodologies
- Implementation of policies, procedures, and generic code libraries to streamline and expedite the development of web based applications
- Implementing security practices to ensure 'least privilege' access requirements
- Educating team members in developing isolated and reusable objects, and event-driven programming using the .Net Framework
- Establishing an environment of source control, continuous integration and unit testing to streamline development, quality assurance, and delivery using such tools as Subversion and Visual Source Safe, MBUnit and RhinoMocks, and Cruise Control.Net.

Business Analysis:

- Working with project stakeholders, end users and information providers to accurately document and represent business needs
- Analyzing available technologies and business processes to determine opportunities for improving and consolidating existing systems, or to eliminate redundancies
- Determining appropriate technologies and their implementations in order to provide for the needs of the end user and achieve the goals of the business
- Generating documentation and training materials for solution administrators and end users

Microsoft SharePoint Deployment, Customization and Development:

- Planning, deploying, and administering single server and multi-server SharePoint farms, with SharePoint Services and SharePoint Portal Server
- Extending SharePoint's Server indexing to support searching of internet content and network file shares, ensuring that file access security was maintained
- Planning and hosting numerous group training sessions for SharePoint, as well as working with end users to plan and manage content and improve collaboration
- Implementing custom workflow using SharePoint Designer and developing specialized workflow actions to automate business processes and reporting
- Customizing SharePoint themes, modifying images, CSS files and CAML Xml files to reformat and extend built-in web parts
- Developing InfoPath forms for advanced information collection from users
- Building custom web parts as interfaces to reports based on external data sources
- Providing support for consuming external RSS feeds and dashboards within SharePoint Portal Server
- Developing custom reporting applications using SharePoint web services to read custom list and document library as data sources
- Creating Search Driven Reports and Applications for rapid contextual data aggregation

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- Integration of 3rd party user interface components, creating a more visually and feature rich user experience
- Customized workflows, including list driven web site provisioning, configuration and security
- Farm, site and web feature driven deployments; simplifying testing, release and configuration of web parts, workflows, and even Search customizations

Database Design and Management:

- Producing database diagrams and performing database normalization
- Developing and optimizing database tables, stored procedures, functions, and triggers
- Constructing views and indexing of data to provide rapid access to consolidated data
- Planning database security and access controls

Testing and Quality Assurance:

- Producing test plans and test specifications based on project documentation
- Developing testing standards and base lines for ensuring uniform quality control
- Documenting and reporting of defects and feature changes
- Overseeing the work of other testers to ensure proper and timely quality control results
- Web site and client software testing, including end user experience and use-case testing of both software and hardware components
- Automated testing of web and windows applications using packaged and custom script tools
- Development of specialized test suites to extend test coverage in critical areas
- Monitoring of software events, transactions and performance in test and production systems

Social Media Integration:

- Developing Facebook integrated web sites, providing integrated authentication and standardized user interfaces

Project Experience		
Employer/Contract	Role	Project Description
NeoStream Technologies Inc.	Senior Developer	Responsible for establishing reliable and release friendly methods of implementing SharePoint technologies. Driving out prototype functionality using SharePoint Feature and Workflow technologies to rapidly deploy solutions including Search driven contextual reporting, cross site bulk editing, and one-click site provisioning and securing. Documenting process and techniques so that other developers may then incorporate this functionality, standardizing product development and streamlining release cycles.
ARC Resources Ltd.	Supervisor, Information Services	Working with department heads, end users and graphics designers to plan the information architecture of the corporate intranet for more than 450 users. Planning, deployment, and administering the portal site and department intranet sites, as well as providing user training on SharePoint Portal Server. Working with various departments to ensure that they were able to manage content and provide timely and appropriate information between themselves and with other business units.

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ARC Resources Ltd.	Senior Developer	<p>Designed, developed and administered the corporate website of ARC Resources, built on Microsoft Content Management Server.</p> <p>The architecture and development of numerous Human Resources, Accounting, and Operations systems which were not available in the retail market, requiring the tracking and reporting of sensitive information.</p> <p>Responsible for overseeing and guiding a team of developers, introducing them to new techniques in the Microsoft .Net Framework and web based development implementing development concepts such as Unit Testing and Continuous Integration.</p> <p>Ensured that projects followed best practices in quality assurance, security, and configurability that were crucial to the success of all projects.</p>
Preo Software Inc.	Senior Developer	<p>Involved with the development of their SaaS product line of print tracking and management software.</p> <p>Working with stakeholders, as the sole architect and developer of a number of Preo partner projects with Xerox, to produce highly secure and fault tolerant web systems with minimal to no need for maintenance after release.</p> <p>Responsible for the development of internal tools focused on improving quality assurance and expediting the testing process, including a fully automated test harness for deploying print drivers and verifying the resulting print statistics.</p>

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Lunar Ridge Information Services Ltd.	Owner/Operator	<p>Development of the backend web site for an inspection form application, providing customizable freeform rules for the purpose of detecting changes and measuring thresholds in order to manipulate data, adjust visibility, and provide reporting and notifications.</p> <p>Development of an easy to deploy and use window based application for providing engineers with automated pivoting, sorting and offsetting of large volumes of inspection measurement data. Providing a variety of options for manipulating the data, this solution would automatically transform raw pipeline measurements into new data formats for rendering within 3D modeling software.</p> <p>SharePoint Service implementation of a Project Management site with automated workflow for the creation of project sites, prepopulated with a variety of template forms, and the dynamic generation of Excel based aggregated project summary and status reports.</p>
Microsoft	Xbox.com - Test Lead	<p>Responsible for maintaining and managing the testing of new and existing features, including localized product catalogs, authored content publishing systems, user forums, and secure communications systems between web users and the Xbox Live Web Services system.</p> <p>Coordinating the quality assurance process throughout the life cycle of a feature, including identifying and offering solutions to potential threats and points of failure during design, development, and testing.</p> <p>Working with developers to help ensure secure auditing of features and thorough test coverage, to ensure a robust and satisfying experience for end users.</p> <p>Working with international partners in assessing change requests, migrating and managing content, and planning new functionality.</p>
Microsoft	MSN - SDET	<p>Producing test cases and automated scripts to configure and test DSL modems and related MSN installation software.</p> <p>Providing critical feedback regarding points of failure during the installation process by end users, in order to eliminate or mitigate issues improving product feedback from customers and reducing support center load.</p>

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Microsoft	Windows Media Player - SDET	<p>Working in a Black-Box situation, developing automated tests to verify the stability and functionality of the Digital Rights Management (DRM) component of Windows Media Player.</p> <p>Worked with DRM developers and security specialists to investigate points of attack and mitigate those threats.</p>
Microsoft	My Information Agent - SDET	<p>Analysis of product architecture and documentation to determine and automate test cases for the bulk verification and defect detection of the MIA Web Services.</p>

Technology Solution Skills

- Microsoft .Net Framework including ASP.Net, using both C# and VB.Net
- Web Services using SOAP and Windows Communication Foundation technologies
- XML data syntax, XML messaging, XSL Transformations
- JavaScript and Visual Basic Script for both web content and client side automation
- AJAX, JSON and AJAX.Net for background browser to web server communications
- HTML, DHTML, CSS
- ADO, ADO.Net, SQL Queries and database normalization using both MS-SQL and Oracle
- Windows Script Host, WMI and common Windows Automation objects and techniques
- Active Server Pages
- Visual Basic, C and C++
- Windows 2008 (R2), 2003 and 2000 Server
 - Web Farm deployment using IIS and DFS
 - Information services including IIS, SMTP, and FTP
 - Active Directory and Group Policy management
 - Hyper-V management
- Microsoft SQL Server 2005 and 2008
- SharePoint Services and Office SharePoint Portal Server
- ISA Server and Forefront TMG
- Exchange Server
- BizTalk Server
- Oracle version 9 and 10, server and client tools

Education and Competencies

- Associate Degree – Computer Programming and Computer Applications – Riverside Community College, Riverside, California, USA
- SharePoint Solutions – Extreme Makeover – Portal & Site Branding and Functional Customization.
- Project Management Institute (PMI) – Managing I.T. Projects
- Project Management Institute (PMI) – Applying Microsoft Project
- Microsoft – Designing IT Platform Collaborative Applications with Microsoft SharePoint 2003
- Microsoft – Customizing Microsoft Office SharePoint Portal Server 2003
- Microsoft – Developing E-Business Solutions Using Microsoft BizTalk Server 2004
- Microsoft – Updating Your Database Administration Skills to Microsoft SQL Server 2005
- Microsoft – Core Web Application Technologies with Microsoft Visual Studio 2005