

Michael Barlow

Abstract Solutions Architect

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Professional Summary:

Senior Information Technology Professional with over 25 years' experience in the IT industry with demonstrated initiative and leadership in many areas of the IT industry including technology, pharmaceutical and government.

I have extensive experience in the design, architecture, development and integration of Web applications and mission critical systems with conformance to regulations, industry standards and best practices.

I worked on projects using Agile methodology where prototype applications demonstrating required user interface was provided in less than 1 month period, versus 6 months by previous developers.

I specialize in architecting efficient and effective Web Applications and working with clients to develop their applications based on the "Don't make me think" principle, creating for the end user an experience where their application is simple and easy to use based on their specific needs, requirements and skillsets.

Extensive focus over the last 15 years on Web and Internet technologies. I developed Web Applications in Lotus Domino and PHP utilizing various tools (mostly Ext-JS) for clean, efficient and simple to use user interfaces. Expert in the primary Web application languages (HTML, JavaScript, CSS) as well as back end development with PHP and MySQL. Most recently started architecting applications making use of the SLIM PHP Framework for developing REST (Representational State Transfer) based Web Services.

I have been a proven effective interface and relationship builder between technical organizations and customers and users of all levels and am noted for my exemplary skills in Business Analysis for ascertaining customer needs and delivering unique "thinking outside the box" solutions to customer problems. I developed a tablet tool and die application for the pharmaceutical industry for secure tracking of changes to design drawings which exceeded their expectations on ease of use and functionality.

I have been a guest lecturer at numerous nationwide conferences on Lotus Notes/Domino and Web Architecture, with respect to advanced client-side application development. I have provided individualized training classes to the teams I've worked with as well as specialized training to customers and management.

I provided a series of Website Accessibility Development (Section 508 of the US Rehabilitation Act) training classes to web developers. Provided training on the development of REST based Web Services to government application developers.

Technologies:

Client Side:

HTML, DHTML, JavaScript, CSS, AJAX, Data binding, Ext-JS Framework

Server Side:

Servlets, JSP, PHP, Slim PHP Framework, Microsoft SharePoint, REST based Web Services, Lotus Domino, Lotus @Functions, LotusScript, C, C++.

Experience:

Nov 2011 – Present – dbITPro

Elkton, Md

Chief Architect and developer for a Chemotherapy Ordering Management System (COMS) for the Veterans Administration. Responsible for architecting the application interface via RESTful Web Services as well as developing the user interface (UI). The UI was developed using Ext-JS MVC architecture making use of RESTful Web Service calls to a PHP back end also developed using an MVC architecture, talking to an MS SQL Server database as well as the VA's proprietary Vista and MUMPS database system. Project had an initial proof of concept prototype within 1 month from start of development cycle, with iterative changes being demonstrated to the client every two weeks.

Possess V.A. Public Trust Clearance

Apr 2011 – Nov 2011 – US Army

Aberdeen Proving Grounds, Aberdeen Md.

Converted to direct Government Employee when the Rapid Response (R2) Project Office was transferred from Fort Monmouth to APG. In addition to ongoing work with the R2 Project Office I was responsible for architecting and developing Web applications in SharePoint for the Logistics & Readiness Center of CECOM (U.S. Army Communications-Electronics Command).

Possess DOD Secret Security Clearance

Dec 2006 – Apr 2011 – ManTech International Corp

Red Bank, NJ

IT/Development Team Leader for the IDE Team within the Rapid Response (R2) Project Office at Fort Monmouth. My primary mission is to provide Federal customers, contractors and R2s procurement specialists the means to manage more than \$20B of service contracts via R2s Electronic Contract and Business System (R2ECBS) web based portal.

Responsibilities include:

- Performing duties related to the design, development, testing and management of automation systems assigned to the R2 Project Office which are compliant with Army Regulations (specifically AR 25-1, AR 25-2) as well as Section 508 of the Rehabilitation Act of 1973 and monitoring projects to ensure timely and complete deliverables.
- Responsible for working with the functional user community to translate functional specifications into technical requirements.
- Coordinating testing with other systems to ensure all interfaces are functioning properly.
- Assisting in analyzing, formulating, planning, design, developing and executing Information Technology (IT), Information Assurance (IA) and Base Relocation And Closure (BRAC) strategies and reporting requirements.
- Provided Section 508 compliance training to developers and quality assurance staff.

- Developed the documentation for the R2ECBS necessary for the Certification & Accreditation (C&A) process for the US Army. This resulted in the generation of over 30 separate documents, including:
 - Technical and Administration Guides (TAG)
 - Best Practices
 - System Design Methodology Guidelines
 - Continuity of Operations Plan (CoOP)
 - Disaster Recovery Plan (DRP)
 - Overall System Environment Diagrams
 - Database Schemas

Generated and tracked, to completion, the Plan of Actions & Milestones (POA&M) to completion based on the results of the DIACAP (DOD Information Assurance Certification and Accreditation Process) Scorecard provided by a third party organization after scanning our environment.

Lotus Notes/Domino Specialist, Solutions Architect

Responsible for maintaining and developing solutions for the Lotus Domino applications within the R2 Project Office. Worked with other developers to re-architect existing Lotus Domino applications and migrate them to a .NET environment.

Involved in working with SharePoint Developers to architect new solutions and methodologies within the Microsoft SharePoint environment for the R2 Project Office.

Received Lean Six Sigma Green Belt training and team member of ongoing LSS Black Belt Project.

I was appointed as the Information Assurance Officer (IASO) for the R2 Project Office; as such I am responsible for ensuring the integrity and security of the information maintained by the R2 Office both within their applications and without.

Jan 2006 – Dec 2006 – GalaxE Solutions

Somerset, NJ

Lotus Notes Practice Head, Team Leader Pfizer Support, Project Manager

Responsible for promoting and managing Lotus Notes Projects within the GalaxE Solutions Corporation. Team Leader Pfizer Support, responsible for scheduling and assigning tasks to the PGM Support team. Responsible for coordinating and managing various projects within the PGM Environment. Project Manager and technical lead for an AJAX based Lotus Domino application being coded by offshore resources for a major sports organization.

Jan 1998 – Dec 2005 – Bright-Ideas Software

Edison, NJ

Vice President - Software Development

Vice President of Software Development for a small Software Application Development Company. Lead application architect and plug-in module specialist for web technologies based around the Lotus/IBM Notes/Domino platform as well as server side J2EE.

Responsible for establishing design standards and coding practices to promote use of industry standards in web application coding (e.g. all HTML, CSS and JavaScript should pass through W3C standard validation tests and Lint).

Developed a multi-platform Electronic Mailing List Server product (List Server for Domino/ LSD) adhering to the current standards in the industry (Major Domo, LServ, etc). It was developed entirely as a Notes native application and certified by IBM to run on Windows and Linux operating systems.

Lead architect for the Pfizer Global Manufacturing Division Intranet.

Feb 1994 – Jan 1998 – Corporate Software, Inc

Iselin, NJ

Senior Consultant - Lotus Notes

Lead architect for the Pfizer Global Manufacturing Division Intranet.

Wrote Lotus Notes R3 to R4 Migration plan, which was published and distributed by Corporate Software.

Developed Lotus Notes Network Analysis system for the NYC office of Sprint. The system was designed to retrieve information from the Lotus Notes R2 Name and Address book and Notes logs on each of the servers in the network. Then a customized report is generated based on the findings via categorized views. The user would be able to select the type of information and server(s) desired and then a Notes document would generate the results.

Developed custom Document Image Management system for a division in the Pentagon allowing users to take existing paper documents, scan them, categorize them and then have the images stored in a jukebox-based optical disk storage system. To retrieve the scanned image of a document, a user would fill out a form-based query and then submit the document. The image would then be retrieved and either presented directly to the user (if the image was in online storage) or e-mailed once the jukebox had retrieved the image from either near or offline storage.

Developed prototype system for the Sales and Marketing division of Warner-Lambert to facilitate various global marketing campaigns for their Consumer Healthcare Division.

Developed tracking system to track large "container" usages for long haul trucking company Transamerica Leasing.

Worked with the marketing and sales divisions to promote development of Lotus Notes applications with potential clients.