


Allen R. Marshall, PMP, QPM

Principal, Allen R. Marshall Consulting LLC

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Relevant Skills

Specific technical skills include: MadCap Flare, Robohelp, HTML5, CSS, SQL, Visual C#, Windows Presentation Foundation (WPF), Xaml, .NET Framework, Xml, Xslt, Perl, database schema design, PowerBuilder, Visual Basic, Visual Basic For Applications, SOAP/web services, Excel, spreadsheet automation CASE tools, report writers, data modeling, MySQL, networking, ODBC, OLEDB, Oracle RDBMS, Oracle PL/SQL, SQL Server, web servers (IIS, Apache, Cassini PWS), SMTP mail servers, version control technologies (Git, cvs, subversion), issue tracking systems (JIRA, Bugzilla). Specific project background includes AASHTO BRIDGEWare bridge management system expert, data collection, database design database administration, database design, decision support tools, groupware, document management systems, feasibility studies, interface design, program evaluation, project development, project management, proposal writing, customer support, requirements analysis, systems development and integration, software development, strategic planning.

Experience

Owner & Principal, Allen R. Marshall Consulting LLC

May 2010 – Present

Owner and principal consultant of a consulting firm specializing in public sector management systems strategic planning, software design, development, implementation, and support. Recent assignments include: development of automated element data migrator to move bridge inspection data from old format to the new AASHTO element specification, including using Flare to create a manual and .NET Help system; web data collection application for bridge inspection data with a Flare help system; auto-generation of a new AASHTO element inspection manual using Word Automation from a SQL Server database; update of application internal 'editcheck' rules; automated PL/SQL data synchronizer to transfer data from Bentley's InspectTech bridge management system to Pontis, comprehensive review of the design for a modern bridge management system for a major client and implementation of a document management system interface for a leading national bridge management system deployed to more than 40 states. PMP certification current.

Principal, Cambridge Systematics

November 1982– May 2010

Cambridge Systematics is a multidisciplinary consulting firm providing a range of services in the areas of Transportation, Strategic Planning, Asset Management, Economic Analysis, Market Research, Climate Change, and Information Systems.

www.camsys.com

Representative Past Assignments

- Led a team effort including representatives from consulting, accounting, production, and information technology that performed company-wide needs analysis, requirements definition, and procurement documents for electronic document management systems. Conducted interviews with staff, identified critical functionality, alignment with existing systems, security evaluation, procurement and operating cost estimates, and developed an implementation plan. Reviewed vendor materials and presentations to perform initial screening of potential systems.
- Modified existing legacy system written in PowerBuilder to link with an IBM FileNET and ProjectWise electronic document management system;
- Responsible for business development and project management in software solutions group, including scope development, needs analysis, requirements definition, proposal preparation, and estimation
- Since 1995, ***I managed the design, development, and support of the Pontis bridge management system*** as sole contractor to the American Association of State Highway and Transportation Officials (AASHTO) to more than 40 state transportation departments, local agencies and international clients
- Supervised programmers, database administrators, technical writers, testers, and product support staff
- Published professional papers in the area of bridge management systems for IABMAS, TRB, and other organizations

Past Activities

- Developed an array of systems to improve public sector services and management practices for state and local transportation departments
- Principal designer and developer of the MBTA (transit) bridge inventory system
- Led implementation of Linux for database and network support service
- Automated corporate report production and accounting systems; Assisted implementation of commercial accounting system
- Instituted use of Lotus Notes for group work support including database and interface design and development as well as corporate application development - leads tracking, budgeting, and project management
- Implemented numerous technological advancements in the areas of networking, hardware platforms, software development technology, database software, and corporate support systems

Education

The Pennsylvania State University, University Park, PA

1979-1981

- Graduate study, Geography, completed all coursework for the Master's program

University of Massachusetts, Amherst

1979

- BS, Anthropology

University of Glasgow, Scotland

• 1976-1977

- Honors certificate in Scottish History