

Conrad E. Muller

326 4th St., #509
Juneau, AK 99801

206 388-6053

Email: conrad@databasezone.com
<http://www.databasezone.com>

Summary

I have managed software development projects with teams of up to three developers, projects that lasted over a year, and projects with budgets over \$100,000.

Every one of my clients considered their project successful. Most of my projects developed over the past ten years, or updated versions of them, are in daily use.

Core Competencies include:

- Project management
- Requirements analysis
- Database design
- Web application design
- Software development
- Writing: I'm good at communicating in words and pictures
- Teaching: I'm good at working with and directing people

Experience

December 2011 to May 2014

Analyst/Programmer IV

Department of Commerce, State of Alaska, Juneau Alaska

I am worked on ASP.NET Web applications in C# on SQL Server. These are mission critical applications for a state regulatory agency.

I finished a contractor developed Web application to display information about Alaskan communities. I provided detailed US Census data to the database which was accessed using the Census Bureau Web API.

I have converted parts of a very large Department of Commerce Web site into DotNetNuke. I worked with templates and hundreds of pages, and I imported and linked thousands of PDF documents.

I delivered a couple of internal Web/database projects based on SQL Server and VB.NET using MVC 3 with Repository Pattern, Entity Framework, and DbContext.

I did some development on Oracle databases, plus some maintenance programming in Oracle Forms and Reports, and classic ASP. I also migrated data from some old Oracle databases to a new SQL Server 2012 consolidated database.

June 2011 through October 2011

Senior User Interface Designer

Contractor at Washington State Ferries, Seattle, Washington.

I did User Interface Design for a consolidated account management system, a new Web store, and a vehicle reservation system (VRS). My major tool was MS Visual Studio 2010. I developed a demonstration Web site based on HTML, CSS, JavaScript, and jQuery. Although there was no data access, navigation and form fields worked, which allowed us to nail down work-flow and page layout.

June 2010 through May 2011

Independent Developer

I was an independent Web and database developer in the Seattle area. Besides ASP.NET and SQL Server projects I did a little UNIX system work (not programming).

February 2006 through May 2010

Senior Project Database Specialist

[Golder Associates](#), Redmond, Washington.

Monitor Control System (MCS); Contract Compliance Application - Golder Associates

This Web forms/database project includes managing field inspectors using laptops remotely, call center reporting, internal messaging and external email, document management of several varieties, task management, news, help, some GIS, and, of course, management reports. This Web forms application was developed in ASP.NET 3.5. There are over 200 forms and reports built on 63 tables. The database runs on SQL Server 2008. I am the designer and primary developer.

Municipal Water Management System (MWMS)

City of North Bend, Washington

I designed and built a Web forms/database application to manage the city utilities water production and purchase for compliance with required stream flows and municipal water rights. I worked with stakeholders and Golder water resources consultants to develop the list of requirements. The application automates the complex calculations needed to manage municipal water. Simple reports are provided for daily water system operations and more complex reports are provided for city management and other stakeholders. Developed in ASP.NET 2.0 with over 70 forms and reports built on more than 30 tables. The database runs on SQL Server 2005. I am the sole designer/developer.

Global Acid Rock Drainage Guide (GARD Guide)

The International Network for Acid Prevention (INAP)

INAP is an organization of international mining companies dedicated to reducing liabilities associated with sulphide mine materials. I am the sole designer/developer.

The GARD Guide is a Wiki (MediaWiki which uses PHP and MySQL on BSD) with role based security for development of the guide. I formatted and entered most of the content. I trained editors in the use of the Wiki. <http://www.gardguide.com>

WRIA 7 Geographic Oil Spill Response Planning application

Washington State Department of Ecology

I designed an oil spill response plan management application for the Snohomish River Watershed (WRIA 7) in Washington State. Up-to-date response plans including maps are available on the Web.

I managed design, construction, and deployment of the underlying database, and did most of the database programming. Another developer did the GIS/Web programming. This application is built on SQL Server 2005 and ESRI ArcGIS Server 9.x. This front end section of the application is in Microsoft Access 2003.

Facility Information System (FIS)

Republic Services, Phoenix, Arizona

I added maps based on Web services to the existing FIS Web application. I added a module for managing the transfer of surplus equipment between business units. I added a news article publishing module to the FIS Web site. I upgraded compliance tracking, expenditure approvals, and project management.

Environmental Compliance Assurance Review (ECAR)

CSX Transportation, Jacksonville, Florida

I added maps based on Web services to the existing ECAR application. I improved email notifications for project management and compliance monitoring.

Platforms and Languages

- Microsoft Visual Studio: ASP, ASP.NET, MVC , Entity Framework, POCO classes, dbContext, T4 Templates, Repository Pattern, HTML, XHTML, CSS, VB, C#, VBScript, JavaScript, jQuery
- SQL Server Management Studio: TSQL: tables, views, stored procedures, indexes, triggers
- SQL Navigator; Oracle 10: PL-SQL: tables, stored procedures, triggers
- Adobe Dreamweaver CS5: HTML, XHTML, CSS, PHP, JavaScript
- Source control: Subversion, VSS

Other Tools

- DotNetNuke Pro/Enterprise
- VISIO 2010: database documentation, workflow diagrams
- Adobe CS5 Photoshop
- Iron Speed Designer versions 7 through 10

Affiliations

- Association for Computing Machinery (ACM)
- American Association for the Advancement of Science (AAAS)

Awards

Employee of the Quarter for the first quarter of 2004 at the Alaska Division of Juvenile Justice.

Education

BA Thiel College, Greenville, PA.: Psychology major. Plus four years of undergraduate chemistry courses and calculus, biology, and physics.

Kent State University, Kent, Ohio: five quarters of graduate work in experimental psychology.