Rakesh Dutta

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Introduction

Rakesh Dutta, a Business and Finance graduate from the University of Westminster (London, England), has been designing and building custom application solutions for over 20 years with most of those years in the Canadian Oil and Gas industry. Not only is Rakesh a competent programmer, his skills extend into project technical lead and project management. Rakesh has been owner and director of Moonrock IT (http://moonrockit.com) since 1996

Skills

IT Project Management including resource management and business-developer team orchestration. As a project manager, I successfully delivered many projects while providing a clear definition of scope, budget, resource availability and team communication

Technical Project Lead including business/requirements analysis providing business groups with a clear definition of specific issues, opportunities, recommendations

Technical/Application architect and database modeling providing the correct technology direction for development team

Product Manager. Defining and maintaining design philosophy, (technical and user experience) during product lifecycle. Ensuring product quality through quality control and user acceptance testing and managed product releases. Track product enhancements through user feedback and changes to product direction

Technically proficient in the following development environments and technologies:

- Microsoft ASP.NET, VB.NET, C#, VB6, Microsoft Access and Access VBA

- WCF Services, Web API

- Silverlight, WPF, Entity Framework

- Crystal Reports, SQL Server Reporting Services (SSRS)

- AJAX, JQuery, HTML5, Javascript

- Adobe Flash and Actionscript

- Apache and PHP

- Windows Server 2000 – 2012, IIS 5-7

- Oracle, SQL Server 2000-2012, MySQL, NoSQL

- GIS Frameworks

Experience   Summary

- Developed an understanding of laboratory information management systems (LIMS) and the role they play in the oil and gas industry, lab data collection and operational reporting

- Developed a field trucking and services logistics application that involved the oil and gas producer, field operators and trucking companies/service providers

- Involved in many start-ups as lead developer and/or Chief Technical Officer

- Senior developer for a oil & gas services company transforming their field data into a location based service for their end user

- Developed a restricted share management application to manage employee share allocations, vests and dividends

- Product manager, lead developer, DBA and technical architect for an emerging field application services company using GPS and Mapping (MapPoint 2006) technologies

- Product manager, lead developer, DBA and technical architect for a compressor optimization and utilization reporting product

- Developed an interactive, video and still image display system for an automobile dealership chain

- Project Manager and technical lead on a Foreign Exchange Currency Trading application. Included real-time interaction with Reuters services

- Co-developed an industry adopted joint interest billing exchange for oil and gas companies (Jiblink.com) including developing interfaces for various accounting systems

- Co-developed a Corporate Well System for a large Oil & Gas company

- Project manager and technical lead on an AFE creation and management application. Now being used by three companies

- Co-developed a Field Data Capture application for a waste reclamation company. Application is used by several local and regional offices

- Technical architect and lead developer on a real-time gas trading application for a BC Gas Marketing company

- Defined the reporting architecture, standards and best practices for a mid-sized Oil and Gas company

- Developed a customer service "dashboard" for a propane company which is used to create invoices via Canada Post

- Industry experience in upstream oil & gas, waste oil treatment & recovery, gas marketing

- Product integration experience with QByteFM, CS Explorer, GFR/PVR, Pi, Value Navigator, Microsoft Office

Devon Energy   October 2014 – February 2015

As a business analyst, gathered requirements from the field laboratory technicians, geologists and engineers towards the selection of a laboratory information management system (LIMS). Aided the lab services team by recommending business process improvements. Working with systems analyst and application architects, developed a custom LIMS solution plan with integration into Pi data historian

Devon Energy   June 2013 – September 2014

As lead developer and architect, developed a web based ASP.NET application connected to PVR that provides the field operators the ability to create job requests that are automatically submitted to trucking/service companies. Technologies included ASP.NET, C#, SSRS, WCF Services, SQL Server, Oracle and PHP. The business group estimated that the average annual savings from using the system is in excess of $2 million.

Keystone Excavating   January 2013 – January 2014

SQL Server Support. Keystone is a rapidly expanding company with a SQL Server environment in transition. We re responsible for their database maintenance and performance monitoring. We

are currently replacing their existing Excel based reports with a self-serve SQL Server Reporting Services (SSRS) solution

Advanced Flow Technologies   August 2010 – February 2014

Development of an ASP.NET map-based website (http://sentry.afti.ca) to display data captured from field devices in the form of graphs and key performance indicators. Technologies: SQL Server 2008, JQuery, AJAX, Google Maps API

Provital Health & Wellness   March 2011 - Present

Bridged the gap between the accounting system and the electronic medical records (EMR) system by combining and reconciling patient information. This system provides patient centric reports, statement of account and receipts. Technologies: ASP.NET, AJAX, JQuery, C#, Crystal Reports, SQL Server 2008

Crescent Point Energy   November 2008 – August 2013

Developed an ASP.NET based website to track employee shares, bonuses, vesting profiles and share unit prices. Forecasting module allows management to create new share allocation and vesting scenarios over a five-year period.

Currently managing and supporting their Windows OS patching plan and SQL Server maintenance and health check plans. Technologies: ASP.NET, AJAX, Crystal Reports, SQL Server 2008, Windows Server 2003-2008

MoonrockApps.com (http://moonrockapps.com)   July 2012 - Present

As part of my consulting company Moonrock IT (http://moonrockit.com), I have built a new service to build and host prototype lightweight oil & gas applications to companies that require solutions outside of their organization and that can be accessed by their field staff and partners. Technologies: ASP.NET, AJAX, JQuery, HTML5, Crystal Reports, SQL Server 2008

Paramount Resources   November 2003 – Present

Developed a custom ASP.NET application to manage authorization for expenditure (AFE) creation, process flow and reporting. Technologies: ASP.NET, VB.NET, Oracle 9-11, QByteFM

University of Calgary   July 2012 – September 2012

Working with a leading cardiologist at Alberta Health Services, I developed a web-based cardiology teaching tool (http://teachingmedicine.net). Cases are presented to students in the form of media files and questions. Students are graded on correct answers and the time taken to complete. Technologies: ASP.NET, AJAX, JQuery, HTML5, Crystal Reports, SQL Server 2008

Devon Energy   April 2011 - July 2012

Our team developed a custom Silverlight and SQL Server Reporting Services (SSRS) based application to manage budgets and forecasts for the thermal heavy oil division and their billion dollar projects. Technologies: ASP.NET, C#, Silverlight, Entity Framework, SSRS, SharePoint, SQL Server 2008

CCS Midstream Services   September 2008 - April 2012

Developed a custom application that tied together the companies field data capture system and accounting system to report revenues and production volumes. Provided support for their existing field data capture system. Technologies: ASP.NET, C#, SSRS, SQL Server 2005-2008, SQL Server Replication, WordPress

Bulls On Wall Street (http://bullsonwallstreet.com)   April 2009 – September 2011

Acting as Chief Technical Officer (CTO) we created an online service for traders by providing a platform leveraging Twitter, social media and new feeds. This information was aggregated into KPI's. We created areal-time trading discussion feature that allowed users to see our traders buys and sells (and tips) instantly. Technologies: ASP.NET, AJAX, VB.NET, C#, JQuery, COMET, Twitter API, SQL Server 2008, WordPress, Apache, PHP, MySQL

Rethink Your Ink   May 2008 – June 2009

Developed a web-based client management application for a start-up cosmetic services company. Application used to book treatments, monitor progress and feedback from clinic. A self-serve portal allowed clients to view their treatment history and before-and-after pictures. Technologies: ASP.NET, HTML5, JQuery, AJAX, SQL Server 2005 Express

Mobile Activity Center   August 2007 – March 2009

Acting as Chief Technology Officer (CTO), we built a platform to deliver lightweight applications to oil & gas field users. This platform required data, file and image transfer between field laptops and head office database and file servers. Information was delivered as-needed based on current GPS location and current work activity (e.g. inspections, reporting, data capture). Technologies: VB.NET, Windows Forms, MapPoint, Adobe Flash, Web Services, XML serialization/de-serialization, SQL Server 2005 Express

Lumina Systems Delivery   January 1998 – February 2008

As a partner as the solutions delivery division of Lumina Management Consultants, I managed our team of developers, acted as client liaison and mentor to developers.

Talisman Energy   March 2007 – January 2008

Acting as the project manger and business analyst, I determined the requirements, implementation and use of a well life-cycle application.

Advanced Flow Technologies   April 2005 – January 2008

Designed and built a custom solution to track gas flow values, show trends and alarms raised by field monitoring devices. Technologies: ASP.NET, VB.NET, Adobe Flash, SQL Server 2000

Carma Developers   May 2006 – June 2007

Acting as project manager, business analyst and senior developer, I managed the conversion of legacy CRM data into a format that loaded into a new system.

CCS Energy Services   November 2006 – January 2007

Design a data warehouse encompassing marketing, invoicing and production data. Technologies: SQL Server 2005, Integration Services, Reporting Services

Talisman Energy   August 2006 – October 2006

Developed SQL scripts to identify and manage inactive wells.

PEPR Inc.   April 2004 – August 2006

In conjunction with compressor optimization specialists, developed a web-based product to monitor and recommend parameters for optimized compressor utilization. Developed a data capture interface for mobile devices (PDA). Technologies: ASP.NET, VB.NET, COM+, Windows Mobile, Oracle 9, PVR, GFR, Pi

Trilogy Energy   April 2005 – March 2006

Implemented AFE system originally built for Paramount Resources. Technologies: ASP.NET, VB.NET, Oracle, QByteFM

Olympia Trust   December 2004 – June 2005

Designed and built a custom web-based application used by foreign exchange traders and buy and sell currencies on behalf of their clients. Technologies: ASP.NET, VB.NET, AJAX, Oracle, COM+, COM OLE Automation, Reuters Forex Integration

Anadarko Canada Corporation   April 2004 – October 2004

Developed a custom budget and forecasting solution integrating reserves and financial databases. Technologies: ASP.NET, VB.NET, Oracle 9, SQL Server 2000, Microsoft Access, Value Navigator, Field View, QByteFM

PowerEx   August 2003 – April 2004

Developed an interactive and real-time gas trading application used to view and execute trades across multiple pipelines and delivery sites. Technologies: Visual Basic 6. Oracle 9

Devon Canada Corporation.   July 2003 – April 2004

Developed a web-based application to track gas compressor operating parameters and identify optimization opportunities. Technologies: ASP.NET, VB.NET, COM+, Oracle 9, PVR, GFR

Talisman Energy.   May 2003 – December 2003

Extended the functionality of the Talisman Corporate Well System.

Talisman Energy   January 2003 – March 2003

Developed a custom solution to reconcile well data between disparate data system including

drilling, completions, facilities and geology. Technologies: Visual Basic 6, Excel VBA, Oracle 9

Anadarko Canada Corporation   October 2002 – July 2003

Developed a system to read gas prices from the NGX exchange to track historical values and display current prices on an LED scrolling display in the gas-marketing department. Technologies: Excel VBA, Visual Basic 6, Oracle

EnCana Corporation   October 2002 – November 2003

Build a custom web application to track EnCana application releases, upgrades and outage events. Technologies: ASP.NET, VB.NET, SQL Server 2000

Devon Canada Corporation   June 2002 – September 2002

Recommended, designed and built a reporting architecture for the IT department. Technologies: Microsoft Access, Oracle

Canadian Natural Resources   April 2002 – June 2002

Migrated database of existing budget and forecast application from Microsoft Access to Oracle.

Red Dog Systems   October 2000 – December 2002

Co-developed JIBLink (http://jiblink.com) joint venture billing exchange system. Developed accounting data integration processes and reporting procedures. Technologies: ASP.NET, VB.NET, COM+, MSMQ, Crystal Reports, Oracle 9, TOAD

Talisman Energy   March 2000 – June 2002

Designed and built an N-Tier developer framework and set of controls used by IT staff on many projects. Technologies: Visual Basic 6, Oracle 8, TOAD

ICG Propane   August 1999 – April 2001

Designed and developed a budget pay system with integration into accounting systems and Canada Post mailing system

Paramount Resources   March 1999 – September 2003

Developed a web-based AFE management and reporting system with deep integration into CS Explorer and QByteFM. Technologies: ASP.NET, VB.NET, Oracle8-9

Pengrowth Corporation   March 1998 – November 2003

Co-developed a production volume capture system used in the field for government reporting. Technologies: Visual Basic 6, Oracle 8

Talisman Energy   July 1998 – July 1999

Design, development and support of Talisman's Corporate Well System. Technologies: Visual Basic 6, Oracle 8

Upside Engineering   September 1997 – Jan 2000

Design and built a time sheet entry and billing system for 150+ users. Technologies: Microsoft Access, SQL Server 2000

CCS   August 1996 – May 2000

Development and support of field data capture, invoicing, production accounting and government reporting system. Using database replication, this system was used 15 facilities around Canada. Technologies: Microsoft Access

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References available on request