



Kim Kelln, M.Sc., P.Eng.

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PROFILE

Kim Kelln has been providing data architecture, business analysis and software engineering consulting services to a broad spectrum of Calgary businesses since 1983. He has been instrumental in delivering effective and practical solutions to satisfy all of his customers' needs as they have evolved over the years. Kim's experience has mostly been in the Oil & Gas domain where his clients have included many of the major oil and gas operators, service companies and data vendors. His background and experience also includes projects in the business domains of electrical energy production, rail transportation, health care and publishing. Kim is able to provide expertise throughout all phases of the system or software life cycle: Business analysis, requirements elicitation and analysis, information and systems modeling, analysis, design, development and deployment, and software engineering. He is especially recognized for his capabilities in information and data architecture, analysis, modeling and integration, and for his background, knowledge and understanding of the Public Petroleum Data Model (PPDM).

Kim is a registered Professional Engineer (P.Eng.) in the province of Alberta.

PROFESSIONAL EXPERIENCE

Dates	Company Sub-contract	Project(s) Roles
August 2011 to Present	Husky Energy Sub-contract: InSync Systems	Saskatchewan Registry Conversions Data and Data Integration Architect
Data and data integration architecture, business analysis and sub-project coordination related to the UWI and facility identifier conversions arising from the switch by the Saskatchewan Government to the Petroleum Registry for regulatory reporting purposes.		
January 2011 to June 2011	Transalta Utilities Sub-contract: Noah Consulting	Common Data Access Release II Data Architect
Data architecture services related to trouble shooting and warranty for the first release of the program, and related to fine tuning and enhancement of existing data management algorithms, processes and procedures, especially for the Estimated Gross Margin calculation data set and engine.		
July 2010 to December 2010	Transalta Utilities Sub-contract: Noah Consulting	Common Data Access Release I Data Architect
Data architecture services in support of the modeling, design and deployment of the common data access operational data store and information delivery layer.		
March 2010 to June 2010	Transalta Utilities Sub-contract: Noah Consulting	Common Data Access Assessment Data Architect
Data architecture services related to the assessment of data readiness and conceptualization of a common data access repository and information delivery warehouse for operational data, including production, availability, maintenance, facilities and human resources.		
December 2009 to February 2010	Nexen Inc. Sub-contract: Noah Consulting	Strategy & Architecture Assessment Data Architect
Data architecture services in support of Noah's Strategy and Architecture Assessment of Nexen's Information Management Improvement Initiative.		
May 2009 to June 2009	geoLOGIC Systems Ltd.	PPDM Conversion Data architect, PPDM SME
Data architecture and SQL scripting to convert a PPDM v2.3 operational datastore to PPDM v3.8, integrate the content with IHS well data and build updatable PPDM v2.3 views to allow existing applications to view the integrated content.		

PROFESSIONAL EXPERIENCE (cont'd)

Dates	Company Sub-contract	Project(s) Roles
September 2008 to December 2008	Husky Oil Operations Limited	Land Data Store Data architect, PPDM SME
Data architecture, modeling, analysis, and detailed design for the transformation of CS Explorer content into a PPDM Land Data Store, including all of the infrastructure required to support the new PPDM v3.8 constructs for dynamic translation and management of reference entities, and units of measure conversions. Working with the Land system Subject Matter Experts on the architectural and data mapping requirements and preliminary workflows. The first phase of the project comprises only basic mineral lease header information, plus all of the reference entities need to support the lease content.		
December 2007 to September 2008	Husky Oil Operations Limited	Wellview and Siteview Deployment(s) Data architect, business analyst, integration specialist, data migration and data quality specialist, well SME
Integration architecture, models and designs for the conversion of Husky's upstream integrated reporting environment from a Maxwell base to Wellview and Siteview for drilling and completions information. Data architecture, analysis, modeling and design for the migration of well and lease construction content from the Maxwell well management system into Wellview and Siteview, respectively. Eliciting, verifying and validating requirements for well and lease construction information with selected subject matter experts and the extant Maxwell support team.		
September 2007 to November 2007	Husky Oil Operations Limited	Lima Refinery Transition Data migration and data quality specialist
Consulting relating to data migration and data quality, including document management issues and concerns, for the transition of the Lima refinery operations from Valero Energy to Husky.		
September 2006 to June 2007	Encana Corporation Sub-contract: S.i. Systems	CORPWELL/eWATCH Encana Data Depot projects/support Data and integration architect, business analyst, designer,
Operational support for the Encana Data Depot (EDD) and consulting on selected EDD projects. Working with client groups within Encana to refine information and data requirements and to validate data access workflows. Modeling, analysis, design and programming for Corporate Well Repository that is primarily intended to support eWATCH project. CORPWELL is based on the industry standard PPDM data model.		
June 2005 to August 2006	Encana Corporation Sub-contract: S.i. Systems	Encana Data Depot Well Cross-Reference WellView Version 8 implementation Architecture Data and integration architect, business analyst, designer
Architecture, modeling, analysis and design for the Encana Data Depot (EDD) project. Modeling, analysis, design and prototype development for the Well Cross-Reference (engine). Part of the Information Architecture team of the newly formed Solutions Delivery Architecture department. Working with the Architecture team internal clients to elicit and refine requirements for the EDD and (primarily) the Well Cross-Reference projects.		
August 2004 to May 2005	Encana Corporation Sub-contract: Access Technology Management (defunct)	Spend reporting, Compliancy, BIA BC spend analysis WellView and SiteView maintenance and support Architecture, Integration, Software Engineering Data and integration architect, business analyst, designer, developer
Architecture, modeling, analysis, design and development for several Foothills Region Business Intelligence and Access (BIA) initiatives including a spend reporting and operational data warehouse, and spend analysis databases. On-going maintenance and support for WellView and SiteView implementations. Gathering, documenting, refining and verifying requirements from Foothills Region clients and Subject Matter Experts.		
April 2004 to June 2004	Encana Corporation Sub-contract: Access Technology Management (defunct)	Architecture, Integration, Frameworks RTD and RTC Wellview maintenance, support and data cleanup Data and integration architect, business analyst, modeler, designer, developer
Part of a team responsible for Enterprise architectures and architectural frameworks, mostly around application and data integration. Requirements gathering and refinement, modeling, analysis and design related to enhancement and integration of existing Requisition to Drill/Complete applications.		
May 2003 to March 2004	Encana Corporation Sub-contract: Access Technology Management (defunct)	WellView Implementation and Integration Integration team lead, data and integration architect, business analyst, designer
Team lead, architecture, modeling, analysis and design for integration of the newly implemented WellView drilling and completion system with the existing Complete Well Summary system, the source for well identity at Encana. Eliciting, verifying and validating information, data and workflow requirements with the CWS users and subject matter experts.		

PROFESSIONAL EXPERIENCE (cont'd)

Dates	Company Sub-contract	Project(s) Roles
January 2003 to April 2003	Encana Corporation Sub-contract: Access Technology Management (defunct)	Drilling and Completions System Evaluation Business analyst, data architect
Eliciting, documenting, refining, verifying and validating requirements from Drilling and Completions engineers, technicians and well management experts for a Drilling and Completions replacement system at Encana.		
October 2002 to November 2002 March 2002 to September 2002 October 2001 to February 2002 April 2001 to October 2001	International Datashare Corporation	Land Database - Phases I, II, III and maintenance Business analyst, data and integration architect, designer, developer and project manager
Model, design, build and deploy the infrastructure necessary to support the acquisition, management, sale and distribution of publicly available information on land of interest to the oil industry. This would include information on crown agreements, freehold titles and encumbrances, federal lands, calculations of open crown rights, and land sales. The principal feature of this system is integration of land information from all jurisdictions under a common PPDM v3.5 land data model, using a 3D rights model. This was a turnkey project starting with elicitation and documentation of requirements, the preparation and presentation of a specification and budget. The requirements were continually refined, verified and validated with the clients subject matter experts and web delivery team.		
August 2000 to February 2001	Talisman Energy Inc. Sub-contract: xwave	Corporate Query and Reporting: Accounts Payable Data Store Lead business analyst, system architect, data and integration architect, designer
April 1999 to June 2000	Canadian Pacific Railway	VISTA STP Sub-Contract Business analyst, lead designer, programmer
May 1998 to April 1999	Talisman Energy Inc. Sub-contract: Minerva Technologies (now xwave)	Corporate Well (Administration) System Lead business analyst, system architect, data architect, designer
February 1998 to May 1998	Newspaper Technologies Inc. Sub-contract: RIS Resource Information Systems	Conversion of SQL Server stored procedures to Oracle Developer
October 1997 to February 1998	OTATCO Inc. (defunct)	Oilfield Equipment Management Lead data architect, designer, DBA
January 1997 to October 1997	Canadian Pacific Railway Sub-contract: RIS Resource Information Systems	Order Entry Project Business analyst
July 1995 to December 1996	QC Data (now IHS Energy)	CDA and Log Axxses Designer, Developer
November 1992 to June 1993 (Contract) July 1993 to June 1995 (Full time)	Applied Terravision Systems	Database Products Manager, data and integration architect, designer, developer
January 1992 to October 1992	Digitech Services (now IHS Energy)	Canadian Oil Scouts Databases Designer, Developer
Prior to 1992	Io Software Consultants	Numerous Business analyst, data and integration architect, designer, developer, project manager

CERTIFICATIONS

1997 American Society for Quality

Certified Software Quality Engineer (Re-certified 2004, Not renewed since 2007)

1981 Association of Professional Engineers and Geoscientists of Alberta

Professional Engineer

EDUCATION

1981 **Master of Science in Civil Engineering**

Specialization: Structural Engineering

University of Calgary, Calgary, Alberta, Canada

1976 **Bachelor of Science in Civil Engineering, With Distinction**

University of Calgary, Calgary, Alberta, Canada

PROFESSIONAL AFFILIATIONS

Association of Professional Engineers and Geoscientists of Alberta ([A.P.E.G.G.A.](#))
