Simon Wong

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An experienced solution architect with extensive experience in solution design and team leadership. Being well organized, possessing common sense and the desire to manage the small details that make a project stand out, has added to a proven record of completion. I understand there is a difference between need and desire, and that compromise does not mean loss. Excellent communication and organizational skills has contributed the components necessary for teamwork and group leadership.

AREAS OF EXPERTISE

Industries
Electricity, Oil and Gas, Education, Wireless, Travel

Methodologies
Data Modeling, Analysis and Design, Structured Programming, UML, SOA, MOF, RUP, Macroscope

Languages
Java, C#, VB.NET, JavaScript, HTML, XML, DHTML, CSS, VBA,Scala, Python

Technologies
Microsoft Azure Cloud Services, Infrastructure, MDM

DBMS
SQL Server, Oracle, MS Access, Sybase

Data Models
> PPDM – Well, Seismic, Land
> Landmark
> Peloton – WellView, SiteView

EDUCATION AND TRAINING

Risk Analysis (Financial LOMP2) (2011)
Effective Proposal Writing (H3-01) (2011)
Project Leadership (H01-3 Project Leadership Seminar) (2011)
Fujitsu National Sales Training (2011)
In house ITIL (2010)
University of Alberta (Edmonton, Alberta) (1989 – 1995)
Northern Alberta Institute Of Technology (Edmonton, Alberta)

PROFESSIONAL EXPERIENCE

HEARTLAND GENERATION LTD.   **MAY 2020 - CURRENT**

Senior Solution Architect (May 2020 - Current)
Calgary, AB, Canada

Heartland Generation (HGL) is one of Alberta's largest power generators, supplying more than 2,660 MW (gross) of power for the benefit of industrial, commercial and residential consumers.

Leadership:

- Evangelised open data, self-service and modern data warehouses to HGL employees
- Responsible for all aspects of the Analytics Practice. This includes governance, security, policies and procedures, scoping and implementation and support.
- Responsible for the custom development practice for HGL. This includes defining best practices and processes, templates and developer procedures, and tools.
- Lead a small team of developers and BAs in support of projects and day to day activities related to the above practices.
- Provide knowledge of all aspects of IS (infrastructure, network, development, deskside).
- Assist in isolation and resolution of technical issues for all aspects of HGL IS.
- Provide guidance/oversight / strategy on IS initiatives.
- Actively engage with various departments to help increase efficiency and accuracy in their workflows
- Continuously analyse IS metrics, procedures to ensure optimal use of resources and to reduce costs
- Align business goals with industry best practices

Projects:
- Consolidate legacy database applications (MS Access) and migrate to Azure SQL Database
- Defined and created Heartland Analytics Platform utilising Microsoft Azure best practices, solutions and products (LogicApps, Azure Function, Managed SQL instance, Azure Databricks, Power BI)
- Consolidated a large majority of disparate datasets into the Heartland Analytics Platform for use with all departments (Front Office, Accounting, etc). Datasets include AESO, Environment Canada, SCADA, Finance
- Migrated legacy data analytics tools (ZEMA,NRG) to the new Heartland Analytics Platform. This resulted in a savings of over $200,000 per year in software licensing and hosting fees
- Automate import/export of data from financial, trading and operational systems
- Designed and developed Heartland Analytics Excel Addin for easy consumption of data contained within the warehouse
- Designed and developed (with a small team) an industry compliance system to ensure that our analysts comply with AESO rules and regulations. Designed using modern architecture and technology (Vue.js, .net, Azure)
- Designed and developed (with a small team) an ancillary services tracking application for our analysts and production accountants. Designed using modern architecture and technology (Vue.js, .net, Azure)
- Oversight and support of an industry tool to assist our traders in their day to day activities. Collaborated with an external team on the architecture and development of this product.
- Implemented Microsoft Intune for MDM of our assets. This includes laptops, workstations, and phones
- Designed and developed vtSCADA near real time integration with our data warehouse
- Designed and developed Carbon Credit tracking application to assist in carbon trading
- Enhanced deskside efficiency by providing support, guidance, tools and procedures

Senior Advisor (January 2020 - Current)
Interim Supervisor Analytics (Oct 2018 - April 2019)
Senior Solution Architect (July 2016 - December 2019)
Calgary, AB, Canada

Calgary-based company that owns and operates pipelines pipelines that transport conventional and synthetic crude oil and natural gas liquids produced in Western Canada; Oil Sands and Heavy Oil Pipelines; Gas Gathering and Processing Facilities; and, and oil and natural gas liquids infrastructure and logistics business.

Solution Knowledge and Creation:
> Provide expert-level knowledge, thought leadership and support in identified areas of expertise.
> Provide guidance and input into enhancement of existing solutions for increased efficiency
> Provide guidance and input into net-new solutions
> Ensure that designs maximize business value by taking into consideration industry best practices, actual end-user need and strategic/tactical architecture
> Mentored team members on industry best practices and structured development, and business analysis

Collaboration:
> Collaborates with project external resources (Infrastructure, Application, Data, Operations, Vendors) to ensure proper communication and design
> Collaborate with business stakeholders to ensure needs are appropriately met

Leadership:
> Contributes and leads implementation of SDLC
> Assist with the isolation and resolution of technical issues
> Technical Team Lead

Projects:

Business Intelligence / Information Management Project
o Analyze, Design and Develop ETL solutions (utilizing SSIS) for various Pembina Business Units
o Develop new Guidelines and Process for Application Deployment and Code Management
o Enhance existing Data Models (Kimball) and Cubes where required
o Lead BI Team for triaging and resolving Operational and Project Issues (SWAT)
o Developed an Analytics Intake Model to manage the workflow of all Analytics requests for Pembina.
o Developed a 1 year, 3 year and 5 year roadmap for the Analytics Program.
o Plan, Lead and execute technology upgrades
o Continuously improve the workflows and processes within the Analytics Team to ensure delivery is on time and efficient. Ensure that the team uses the Agile methodology in an efficient manner. Utilize JIRA for all sprint activities (as well as Kanban methods)
o Developed, Implemented and Championed DevOps/CI/CD pipeline (using Teamcity and Octopus Deploy)
o Lead the adoption of MS DevOps in IS by collaborating with various IS teams and Senior Managers.
o Brought technology into Pembina to solve integration issues between the Data warehouse and the ERP system.
o Work with the Business Analyst and Customers to ensure that all requirements are met and that customers are satisfied with the deliverables.
o Developed custom solutions for data integration, data capture and data mining where required.

TRANSCANADA PIPELINES   **FEBRUARY 2016 - JULY 2016**

Senior ETL Analyst
Calgary, AB, Canada

With more than 60 years experience, TransCanada is a leader in the responsible development and reliable and safe operation of North American energy infrastructure.

TransCanada's network of wholly owned and affiliated pipelines taps into virtually all major natural gas supply basins in North America. TransCanada leads the North American pipeline industry and the world in system integrity. We've demonstrated an exceptional record of system reliability and safety.

Solution Knowledge and Creation:
Provide expert-level knowledge, thought leadership and support in identified areas of expertise:
Microsoft Infrastructure (SQL Server, IIS, BizTalk, SharePoint)
ECM and Geospatial (ESRI)
ETL (FME)
Collaboration:
Collaborates with Project Management Office to determine scheduling, resources and estimations
Collaborates with project external resources (Infrastructure, Application, Data, Operations, Vendors) to ensure proper communication and design
Collaborate with business stakeholders to ensure needs are appropriately met
Leadership:
Provide technical and team leadership and guidance for various projects assigned
Accountable for Design, Development, Delivery and Quality of technology-enabled systems, applications, products and services
Contributes and leads implementation of SDLC
Assist with the isolation and resolution of technical issues

Projects:

GIS Program - ETL
o Practice Lead for ETL Architecture, Design and Implementation
o Provide industry best practices for implementation of ESRI ArcMap infrastructure
o Provide industry best practices for utilization of FME (Safe Software) in an Enterprise environment
o Create new processes,procedures and guidelines for automated deployment of ETL and Database components. Lead team in implementation of this initiative.

ENERPLUS CORPORATION **SEPT 2014-FEBRUARY 2016**

Senior Business Solution Analyst (BSA) – Planning and Assets
Calgary, AB, Canada

Enerplus is an energy producer with high-quality, low-decline oil and gas assets. It's operations range across North America with the primary focus on North Dakota (USA) and Brooks (Canada).

Client responsibilities include:

Solution Knowledge and Creation:
Provide expert-level knowledge, thought leadership and support in identified areas of expertise:
Microsoft Infrastructure (SQL Server, IIS, BizTalk, SharePoint)

ECM and Geospatial (ESRI)

Collaboration:

Collaborates with Project Management Office to determine scheduling, resources and estimations

Collaborates with project external resources (Infrastructure, Application, Data, Operations, Vendors) to ensure proper communication and design

Collaborate with business stakeholders to ensure needs are appropriately met

Leadership:

Provide technical and team leadership and guidance for various projects assigned

Accountable for Design, Development, Delivery and Quality of technology-enabled systems, applications, products and services

Contributes and lead implementation of SDLC

Assist with the isolation and resolution of technical issues

Projects:

Geospatial Implementation Project
o Provide industry best practices for implementation of ESRI ArcMap infrastructure
o Lead development and implementation teams
o Work with Business Champions to requirements gathering and analysis
o Mentor junior team members on development, design and operational best practices
o Implement processes and procedures for operational efficiencies

ECM
o Provide expert level guidance for various aspects of the ECM implementation
o Mentor junior team members on development, design and operational best practices
o Provide architectural guidance for integration from ECM to other Enerplus systems
o Designed and Implemented methodology for migration of 2+ million documents from EMC Documentum

Data Warehousing Initiative
o Provide architectural guidance for implementation and design of a Data Access layer for Enerplus' Corporate Warehouse
o Ensure that architectural decisions are made with such that all aspects of the Enterprise are considered

Virtualize Graphics Processing Project
o Work with Business Champions to requirements gathering and analysis
o Work with project team to establish QA/QC processes and procedures
o Define performance guidelines based off of estimated future needs.

High Performance Computing Initiative
o Managed team charged with replacing current Enerplus standards for High Performance Workstations
o Developed criteria for selection of new hardware based on business requirements
o Developed timelines for implementation of new systems and retirement of old
o Presented findings to Executives for purchase of new hardware

Application Solution Architect – Application Solution Architecture
Calgary, AB, Canada

Husky Energy is one of Canada's largest integrated energy companies. Husky has upstream, downstream and midstream operations throughout the world. Members of the Application Solution Architecture team are Team and Technical leads for projects within Husky Energy.

Client responsibilities include:

Collaboration:
> Collaborates with Enterprise Architects to develop documentation based on TOGAF model (SAN – Solution Architecture Notebook) which summarizes Business, Analysis, Communications, Data, Management, Security and Systems Views
> Collaborates with Project Management Office to determine scheduling, resources and estimations
> Collaborates with project external resources (Infrastructure, Application, Data, Operations) to ensure proper communication and design

Leadership:
> Provide technical and team leadership and guidance for various projects assigned
> Accountable for Design, Development, Delivery and Quality of technology-enabled systems, applications, products and services
> Contributes and leads implementation of SDLC
> Assist with the isolation and resolution of technical issues
> Lead root-cause analysis and communicate options for resolution of problems

Projects:

> **PAS Upgrade Project**
> o   Replace legacy PAXpert system with custom functionality within PAS
> o   Upgrade PAS to latest version
> o   Procure and setup new infrastructure to support additional load in the PAS environment

> **Online Geophysical Data Storage**
> o   Husky has over $1,000,000 in Seismic inventory. These assets are stored in various formats (a lot of which is legacy) and offline
> o   Project is to deliver the following:
>   ▪   Deliver online storage infrastructure to allow real time access to raw seismic data
>   ▪   Deliver best practices and guidance on storage of these assets
>   ▪   Migrate seismic from legacy storage medium to online store
>   ▪   Create RFP/RFI to procure and install infrastructure

> **Volumetric Measurement and Compliance**
> o   In keeping with Husky's leadership in reporting compliance, the VMC project was started to deliver more accurate and timely reporting for field compliance reporting
> o   Determine requirements for solution selection
> o   Assist in the selection of the various vendors and software products
> o   Accountable for the technical aspects of the RFI/RFP process

> **SAP SWAT Data 1 – Upstream Systems**
> o   Husky's SAP system has been in operation for over 30 years. During this time customizations have been done making it increasingly difficult to upgrade. Because of this, Husky has decided to

re-implement SAP using minimal customizations. SWAT Data 1 is responsible for remediating all external applications that interface with SAP.
o   Accountable for the creation of Decision Records for all upstream applications affected by SAP
o   Accountable and responsible for the technical decisions on remediation and remediation strategy
o   Provide leadership coordination between SAP functional teams, SWAT teams, and operational support teams during testing and implementation phase of project.
o   Analysed non-SAP application to determine remediation strategy
o   Lead Business Analysts to gather all appropriate information regarding integration between SAP and the affected applications
o   Lead Developers to ensure that remediation was accomplished on time and accurately
o   Lead Testers to ensure proper coverage and testing schedules are accurate and followed.
o   Coordinated resources from various teams to ensure success of project
o   Provide estimates for effort, resources and infrastructure

Work Safe Drive Safe Project
o   Husky has approximately 1600 vehicles that are currently monitored by various disparate systems. This project will provide a consistent solution across all of Husky Energy operations within North America and encompasses IVMD, Man Down and Work Alone solutions.
o   Provide input to RFI and RFP process.
   ▪   Determining non-functional requirements
   ▪   Creation of evaluation criteria based on business requirements
   ▪   Assist in the development of the RFI and RFP
   ▪   Work with Procurement to ensure fair and accurate assessment of vendor products
   ▪   Vendor selection
o   Provide input in rollout of solutions to various business units
o   Lead implementation of IVM and Man Down / Work Alone solutions
o   Provide guidance to project team, working committee, and steering committee on industry best practices for IVM and Man Down solutions
o   Work with various teams to ensure successful implementation of project

Peloton Suite Upgrade Project
o   The Peloton Suite of applications (WellView, SiteView, RigView) is used to manage the lifecycle of wells within Husky Energy. With approximately 200 field users and 300 office users, the Peloton Suite is critical to Husky's operations.
o   Provide Analysis of current solution interfaces to gauge risks associated with project
o   Present to Business Owners current status of project (from a Development and QA perspective)
o   Interact with vendor to ensure quality of deliverables
o   Coordinate activities to ensure that all stakeholders are minimally affected by release
o   Ensure that all requirements are met
o   Provide estimation of tasks and resources required
o   Creation of SAN Views
o   Ensure all deliverables are met for each required Stage Gate

Omnisafe Upgrade Project
o   Omnisafe is a Health and Safety management software that tracks incidents, near misses, actions and resolutions for Husky. Originally implemented 2005 the application has not been upgraded since. This project was initiated to update Omnisafe to the latest current version and also ensure compliance with new HSE policies
o   Provide estimation of tasks and resources required
o   Coordinate between various IS groups to ensure appropriate resources are available when required
o   Provide leadership for on-site and off-site teams (Australia and Houston) for technical
o   Creation of SAN Views
o   Ensure all deliverables are met for each required Stage Gate
o   Creation of Operational documentation as required

Senior Solution Architect – Solution Architecture National Team

Calgary, AB, Canada

Fujitsu Services is the world's 3rd largest IT Service provider (based on revenue). Fujitsu enables organizations across both the private and public sectors to respond to the challenges of planning, delivering and operating IT and business strategies in complex and changing operating environments. The National Solution Architecture Team provides support for projects across Canada.

Client responsibilities include:

Solution Knowledge and Creation:

> Provide expert-level knowledge, thought leadership and support of client execs and practitioners in identified areas of expertise:
>
> Microsoft Infrastructure (SQL Server, IIS, BizTalk, SharePoint)
>
> Collection and creation of intellectual assets to support Fujitsu's business including: Service / Solution Definitions, Client References and Case Studies, Competitive research and advice, Sample project plans, deliverables, estimating and cost models.

Sales and Marketing Services:

> Provide support to the sales effort through the entire sales cycle – from providing awareness of Fujitsu capabilities to client execs, management and clients; through to development of proposals and closing of the sale with the client
>
> Assist client execs in presentation of Fujitsu services to clients
>
> Assist in planning and execution of marketing events
>
> Keep current with issues and concerns of major clients– developing possible solutions, based on Fujitsu capabilities
>
> Work with account teams in the development of account plans and qualification of opportunities.
>
> Take responsibility for creation of solutions for proposals – including description of solution, definition of approach, estimation of work efforts, financial model and risk model
>
> Leverage Fujitsu assets to create winning solutions for clients

Delivery, QA and Consulting Services

> Provide consulting services, delivery oversight and quality assurance services on projects to ensure the quality of the delivered solution reflects what was proposed.
>
> Provide technical reviews of proposals and projects as requested.
>
> Provide leadership and project advisory services to clients, as requested.
>
> **Alberta Utilities Commission (2011 – 2012)**
> - Assess Requests for Change to determine if they are candidates for Major Requests for Change. Communicate these items to the business representatives
> - Evolve the Business Systems from a technical and functional perspective to meet the strategic and tactical plans of AUC;
> - Confirm the Fujitsu Delivery team adheres to AUC architectural directions and standards when modifying the Business Systems
> - Evolve the Business Systems Development Environment to meet the Service Level Agreement
> - Provide initial planning effort and cost estimates for Major Requests For Change
> - Review AMS and project deliverables in accordance with all IT Service reporting requirements
> - Contributed to the development of RFI/RFP for various initiatives within the AUC
> - Determine resource allocations based on planned initiatives
> - Conduct performance reviews for direct reports
> - Provide budget and resource forecasting for AMS and project resources

o   Report actual and account for differences in forecast

Knowledge Management Services

Contribute to the further development of intellectual assets within Fujitsu Canada (and FAI) through creation, collection, evolution, and stewardship of knowledge artefacts (e.g. customizations, new material, tool kits, approaches, etc.)

Maintain connections with national practice groups and other international Fujitsu organizations, to understand their products, service offerings, references and capabilities, in order to leverage them for clients.

HEAD-WEST SOFTWARE INC.   **JAN 2004 - MARCH 2011**

Director and Technical Architect

Calgary, AB, Canada

Head-West Software Inc. provides comprehensive oil and gas consulting in the areas of Data Integration and Enterprise GIS solutions. We have a commercial Enterprise Data Mart product (HOC) that is used in five senior oil and gas companies to provide access to any corporate data source.

Client responsibilities include:

Head-West Software Inc. (2004 – Present)

Responsible for the Technical Assessment of Proposals and future development strategies

Assisting in the Marketing and Sales of Head-West Products

Account Manager and Technical Lead for Head-West Clients.

Responsible for hiring and training of resources.

TransCanada Pipelines Ltd. (2005 – Dec 2010) *(Application Infrastructure Services - Senior Microsoft Infrastructure Specialist / Infrastructure Lead)*

Provide expert level guidance and assistance for all issued regarding Microsoft products. This includes MS SQL Server, MS Server 2003, MS Server 2008, IIS 6, IIS 7, BizTalk, SharePoint, MS Access.

Point of Contact for all Microsoft Infrastructure products.

Member of Major Incident SWAT teams for all Microsoft related issues.

Provide Mentoring and Guidance for members of the TransCanada staff within the Application Infrastructure Services group on various Microsoft technologies and products

Perform DBA (SQL Server) and Middleware (Microsoft) duties as needed.

Mentor and guide TCPL resources on design, development and implementation of SQL Server Reporting Services, SQL Server Integration Services and SQL Server Analysis Services

Design and develop processes and procedures to streamline operations and support tasks

Interface between various IT groups within TransCanada to facilitate efficient cross group tasks (including design, installation, troubleshooting). These groups include Server Operations, System Management, Network Operations, Infrastructure Services, Storage and Service Management.

Provide deployment services and design guidance for various projects within TransCanada. These services include assisting in Database Design, Software Architecture, Infrastructure Architecture, Software Development and general troubleshooting and analysis.

Assess various projects for Operational Readiness as well as serve as a Stage Gate Assessor (to ensure project deliverables and timelines are met)

Provide statistical analysis and trending for various data sources within AIS

Review project design deliverables

Provide Security Assessment and Penetration Testing where required

Projects at TransCanada include the following:

o   MIP (Microsoft Infrastructure Project)

- Design, Develop and Implement Enterprise Infrastructure (SQL Server, IIS, BizTalk, SharePoint)
- Provide expert knowledge on network infrastructure and SAN infrastructure
- Review and Audit all project deliverables
- Provide guidance for SAN infrastructure implementation

o Microsoft Operations Manager
- Design, Develop and implement Microsoft Operations Manager enterprise monitoring service
- Developed and implemented custom MOM rules and scripts for all operational groups

o Microsoft SQL Server Refresh
- Design and implement SQL Server 2000 to 2005 refresh
- Develop and implement migration strategy to minimize outage and risk
- Build and document SQL Server clusters

o SQL Server Analysis Services and Data Warehousing
- Implement SSAS for Enterprise Services
- Provide Guidance for usage of SSAS for various projects and operational groups

o SMS West Data Warehousing
- Assisted in the design of the SMS West Data warehouse Database
- Assisted in the design of various SSAS Cubes
- Provided guidance on design and development of BI applications

o Customer Security Zone (External Zone)
- Provided requirements for secured access for all Microsoft Products
- Developed and Implemented Data Flow diagrams for all Microsoft Services within the Zone
- Provided guidance for acceptable usage of CSZ
- Provided Firewall rules for all zones within the CSZ (ie. Such that various services would work correctly: WCF, RPC, SQL Server)

o Pacific Express Billing and Scheduling
- Provide troubleshooting (infrastructure and code) services
- Provided deployment services
- Provided infrastructure knowledge of internal and external zones within TCPL
- Guidance on best practices on design and development
- Implementation and Data Conversion for Microsoft Dynamics AX

o Keystone Commercial Systems
- Provide troubleshooting (infrastructure and code) services
- Provided deployment services
- Provided infrastructure knowledge of internal and external zones within TCPL
- Guidance on best practices on design and development

o Keystone SCADA
- Design and Implement SQL Server Services for SCADA application
- Build and Document SQL Server Clusters
- Implement Microsoft Operations Manager and provide custom alerts and scripts
- Provide knowledge to external vendor for MS Cluster Services and SAN best practices

o CADC Data Centre (Phase 1)
- Provide best practices for VMWare ESX implementation as it pertains to Microsoft products (SQL Server, IIS, Reporting Services, SharePoint)
- Provide requirements, guidance and strategy for migration of existing services to Virtualized environment
- Analysed high risk scenarios and provide appropriate workarounds or feedback to various groups
- Provided guidance and advice of NetApp implementation for use within the Microsoft Infrastructure
- Provided and implemented performance testing criteria

o Alberta Gas Accounting Module 4 / Module 5 / Contracting and Invoicing / Rate Design / Atco
- Provide troubleshooting (infrastructure and code) services

- Provided deployment services
- Provided infrastructure knowledge of internal and external zones within TCPL
- Guidance on best practices on design and development
- CONA Gas Storage
  - Provide Oracle development assistance where required
  - Provide troubleshooting (infrastructure and code) services
  - Provided deployment services
  - Provided infrastructure knowledge of internal and external zones within TCPL
  - Guidance on best practices on design and development
- Microsoft SharePoint Services
  - Implemented SharePoint Farm (2 Front-End Servers, 1 DB Server, 1 Index Server)
  - Provided guidance and best practices on SharePoint Usage
- Microsoft SharePoint Upgrade
  - Implemented SharePoint Farm (2 Front-End Servers, 1 DB Server, 1 Index Server) on Virtualized Hardware
  - Provided performance and maintenance requirements
  - Implemented custom components to alleviate performance issues associated with Virtualized Hardware
- System Centre Operations Manager
  - Develop enterprise reports for SCOM
  - Troubleshoot issues with SCOM and agents as they arise
- Cancarb Dynamics AX Integration Project
  - Implementation of ILS (Manhattan Associates) Integrated Logistics Solution
  - Provided BizTalk and SQL Server and Dynamics AX implementation support

Inlibra Software Solutions Corp. (2010 – 6 months) *(Technical Advisor)*

Provide mentoring and guidance for Senior Architects and Developers in design and development best practices for implementation of a Microsoft SharePoint Portal for a large South American client

Assisted in the selection process of partners for this project.

Managed timelines and project deliverables to ensure that project was on schedule.

Lead team of 4

RIS / Encana Corp. (2009 – 6 months) *(Solution Architect / Team Lead)*

Assisted in the RFP by providing technical guidance, timelines, budget and risk analysis.

Met with client(Encana) to ensure that all requirements were captures appropriately.

After proposal was accepted, assisted in the staffing of the project.

Provided guidance to development team members in .NET development best practices and standards.

Ensured that team members had the appropriate resources to complete their assigned tasks

Lead Team of 4

Talisman Energy (2006) *(Solution Architect)*

Implement a Web services based middle-tier querying (HOC), filtering and reporting engine.

Architectural design and review of in-house custom extensions to the HOC framework

Integration of various in-house and external relational datasources and applications

Modelled various in-house databases for use within HOC application. This included most commercial and custom upstream database and applications

Designed and Implemented various integration points/strategies for integration of external applications within the HOC application. (ie. WellView, etc)

Provide ETL development and design for in house data sources

Integration of PPDM 3.2 data model

Lead Team of 3

ConocoPhillips Canada (2005) *(Technical Architect and Development Team Lead)*

Implement a Web services based middle-tier querying (HOC), filtering and reporting engine.
Design/Develop extensions for ESRI ArcMap and ArcIMS for integration with HOC
Development of ASP.NET based Web Mapping Framework
Integration of various in-house and external relational datasources and applications
Modelled various in-house databases for use within HOC application. This included most commercial and custom upstream database and applications
Designed and Implemented various integration points/strategies for integration of external applications within the HOC application. (ie. WellView, etc)
Provide ETL development and design for in house data sources
Integration of PPDM 3.2 data model
Lead Team of 3

Petro-Canada Inc. (2004) *(Technical Architect and Development Team Lead)*
Implement a Web services based middle-tier querying (HOC), filtering and reporting engine.
Design/Develop extensions for ESRI ArcMap and ArcIMS for integration with HOC and IMF (Internet Mapping Framework)
Oversee integration of various in-house and external relational datasources and applications
Modelled various in-house databases for use within HOC application. This included most commercial and custom upstream database and applications
Designed and Implemented various integration points/strategies for integration of external applications within the HOC application. (ie. WellView, etc)
Integration of PPDM 3.2 and PPDM 2.3 data models (Well, seismic, land) as well as various custom Petro-Canada specific extensions
Provide ETL development and design for in house data sources
Lead Team of 4

Cal-Scan Services Inc.(2004 – 2011) *(Solution Architect and Development Team Lead)*
Designed and Developed office automation applications to streamline various business processes. This includes various modules for RMA Tracking, Defect Tracking, Invoicing, Contact Management and Equipment Rental. Application framework and modules were developed using ASP.NET, ADO.NET and Sql Server 2000
Designed and Developed Analysis and Visualization tool for downhole tool data. This application was developed using .NET WinForms
Designed and Developed Addin module for Fekete's Fieldnotes software using VB6, and VB.NET.
Designed and Developed Gradient processing software. This application creates reports for AEUB (PAS Files), as well as reports for specific uses. This application was built using VB6, and Sql Server 2000.

SIERRA SYSTEMS CONSULTANTS INC.   SEPT 2000 – DEC 2004

Technical Architect
Calgary, AB, Canada

Sierra Systems specializes in integrating business and technology to help their clients achieve practical and measurable improvements in operational performance. They are recognized for the integration of business applications, technical expertise, and providing depth of knowledge.

Client responsibilities include:

Nexen, Inc. *(Technical Architect and Development Team Lead)*
Developed a Web services based middle-tier querying, filtering and reporting engine. This application can consume other web services, as well as act as a corporate querying engine.
Designed overall technical architecture for HOC application
Provided mentoring and coaching for client development team
Provided best practices for ongoing .NET development

Designed back-end data store (for HOC application)
Provided recommendations to corporate infrastructure resources on development, deployment and production infrastructure.
Application built using VB.NET, ASP.NET
Lead Team of 5

SearsTravel.ca *(Technical Architect and Lead Developer)*
Designed and Developed repository driven, time-sensitive content. Utilized XML repositories for display and update of current specials
Designed and Developed Cruise functionality. This design uses XML/XSLT for UI and data.
Designed and developed Go Canada functionality for direct access to external provider, for content and pricing information.
Redesigned Mass Mailer functionality for additional performance and enhanced security.
Designed and Developed additional security infrastructure for website. This change was brought on by additional regulatory requirements for mass mailing.
Mentored junior developers on industry best practices and structured development.
Website is based on ATG Dynamo Application Server utilizing Apache as a web server. ATG Dynamo uses Servlets, JSP (JHTML), Dynamo Tag libraries, Javabeans and JDBC.
Advised and completed changes for Vacations web application. This application was based on IIS/ASP
Provided day to day operational support for both ATG Dynamo website and IIS website.

Talisman Energy Inc. *(Technical Architect and Team Lead)*
Developed Web-based Incident/Accident Tracking System for the Health, Safety & Environment department. This system replaced an existing application, as well as consolidated action item functionality for various field offices
Developed Architecture based on current Microsoft .NET / Object Oriented best practices
Utilized Visual Studio .NET (C#.NET, VB.NET, ASP.NET, ADO.NET) and Visual Studio 6 to develop front and backend components
Lead Team of 5

Methanex Corporation *(Technical Architect and Team Lead – Asia Pacific site)*
Advised and developed additions and corrections to existing e-business site. This site is used by the company's top clients to place and track orders through North America and Asia Pacific
Developed new architecture for Asia Pacific expansion based on Common Application Services. This architecture emphasized internationalization/localization, email services, centralization and expandability.
This site utilized BEA WebLogic Application Server and Personalization Server (application server) , and Oracle 8.1 (database server)
Utilized J2EE technologies including: EJB 1.1, JSP, Java Beans, as well as various infrastructure technologies (ie. LDAP, Active Directory).
Implemented coding convention standards for development
Completed security review for existing web application
Completed architecture/ code review of existing web application
Lead Team of 6

City of Edmonton – Parks And Recreation *(Technical Architect and Team Lead)*
Designed and developed prototype Location Based Services application for use with various wireless devices
Utilized Intergraph WebMap and Enterprise WebMap web-based GIS engine
Application was designed for use with PocketPC and Palm platforms
Developed application using Visual Basic, ASP (Active Server Pages)

Workers Compensation Board *(Lead Developer)*
Developed Proof of Concept for online payment and disbursment of payments
Developed BizTalk components utilizing XML, MSMQ, Visual Basic, and ASP

Assisted in the design and development of BizTalk Server business processes utilizing BizTalk Orchestration Designer, Editor, Mapper, and Message Manager

NetThruPut Inc. *(Development Team Lead and Advisor)*

Lead team to implement a wireless addition to an existing web-based application. This web application involved online trading of various oil and gas commodities.

The pilot project involved utilizing the existing architecture and infrastructure to WAP enable the application, using Weblogic Application Server, Netscape WebServer, WML 1.1, Java Server Pages, and Java.

Modified the existing applet to allow the user to manage wireless notification messages.

Developed notification email functionality. The notification functionality would execute various stored procedures, and email the appropriate user, based on various criteria. Email was accomplished using SMTP and JavaMail.

Deployed and debugged a wireless application to a development environment at client site. This involved managing BEA Weblogic Server, Netscape WebServer, and a proprietary proxy server.

Nortel Networks *(Development Team Lead)*

Led development team for the design and implementation of an intranet Online Collaboration web site. This web site would allow a geographically dispersed team to share information with each other, as well as management.

Technology utilized for this project was based on BEA Weblogic server, and J2EE standards, including EJBs, Servlets, JMS, J2EE Security Architecture, and JDBC.

Designed and developed prototype document management functionality.

Assisted in the design of other modules, including action items, security, persistence, and version control.

QC Data *(Developer)*

Worked as a developer for the implementation of an intranet document management system.

This web-based application utilized BEA Weblogic Application Server, and made use of various J2EE Standards including Enterprise Java Beans, Servlets, and JDBC

Developed a user management interface consisting of an EJB Session Bean performing transactions via Entity Beans, and the BEA Weblogic security Realm.

Evolution.tv *(Technical Architect and Team Lead)*

Led team for the design and implementation of a Business to Consumer (B2C) web site for fashion.

This web site utilized a Microsoft DNA solution. Microsoft IIS, Active Server Pages, and Commerce Server were utilized for this web site. The user interface was developed using MacroMedia Flash.

Designed and developed API Specifications for use with communications to the Flash Interface.

Prototyped integration between Flash and ASP.

Lead Team of 4

Tripeze.com *(Lead Application Server Developer)*

Assisted in the design and development of a web-based travel portal.

The web site was based on ATG Dynamo Application Server utilizing Apache as a web server. Various components developed for the application server utilized the following technologies: JHTML (a derivative of JSP), Dynamo Tags (a derivative of Tag Libraries), Java Servlets, Java Beans, JDBC and custom ATG Dynamo components (developed with Java).

Architect and developed co-branding functionality for use with partner web sites. This functionality would morph the site so that it would conform with various partner user interface guidelines.

Architect and developed web-based travel information retrieval system. Led team to developed a web interface to the RoughGuides Travel data. Data was originally provided in XML format, then translated to Oracle. Java Beans were developed to retrieve information from the database, and use JSP to present the information.

Developed Lowest Fare Advisor (LFA) functionality that would allow the user to input departure and destination cities, and then display the best available fares.

Developed functionality of the web site based on personalization so individuals would receive a personalized experience, based on various pre-inputted parameters.

MSI Systems Integration Inc.   JUN 1995 – SEPT 2000
Senior Analyst / Lead Developer
Calgary, AB, Canada

Assisted in the development of a GIS application for oil and gas companies (MSI-Capture), utilizing ODBC, DAO, and ADO for client server database applications (Oracle, Sybase, SQL Server). Applications were developed using MapInfo (Mapbasic), C, C++ and Visual Basic. MSI-Capture is a Mapinfo-based GIS application that can be linked to any ODBC compliant database for display and analysis of petroleum information. Various links have been developed for integration of other applications (Merak/Peloton, PetroSoft, Golden Software, Rakhits, Landmark).
Oversaw various custom applications, and mentored junior developers as a senior analyst/developer on a team of five.
Developed web-based mapping product using Active Server Pages, Java, JavaScript, and Visual Basic. This application was deployed in England for the CDA group.
Client support for various oil and gas companies utilizing MSI-Capture, as well as internal support and mentoring of staff.
Oversaw the installation and implementation of MSI-Capture at various sites.
Developed applications for conversion to/from various data formats.
Developed page layout and mapping utilities for MapInfo.
Integrated MSI-Capture with various PPDM and proprietary data models stored in Oracle, Sybase, Access and SQL Server (data modeling, analysis and design

Apple Computer Canada   APR 1994 – MAY 1995
AARP Representative / University of Alberta
Edmonton, Alberta

Student representative for Apple Canada at the University of Alberta, involving technical support, training, and consultation to staff and students.
Assisted in the design and installation of various Macintosh and PC networks.
Assisted Macintosh users and developers through Apple Research Partnership Program (ARPP).