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# ANDRE DOVGAL, M.SC., PMP

SENIOR IT ARCHITECT

email: andre@dovgal.ca, cell: 604-345-0812, web: andredovgal.com  
Vancouver, BC, Canada

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## List of Major Projects/Programs/Initiatives (from 2001)

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Duration	Client/Engagement	Role / Project	Project/program/initiative scope	Budget	Competencies
06.22-Now	FortisBC	Enterprise Architect, Solution Architect / CIS – ERP Modernization	Migrating SAP ECC (on-premises) to S/4HANA (Cloud), replacing the outdated CIS+ business system with an SAP Cloud solution.	undisclosed	Enterprise architecture, solution architecture
05.22-Now	FortisBC	Enterprise Architect	Maturing Enterprise Architecture in the organization.	OPEX	Enterprise architecture
02.18-05.22	BCFSA	Enterprise Architect / Enterprise Information Management (EIM) Initiative	EIM started as a foundational component of the technology transformation roadmap, and got momentum as an enterprise-wide initiative, which resulted in adding the Enterprise Information Services department to the organization chart and including EIM in the organization's IM/IT Strategy.	OPEX	Enterprise architecture

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09.17-03.22	BCFSA	Enterprise Architect / Core Regulatory Suite (CRS) Project	Multi-year digital transformation project that started with application rationalization and resulted in the development of a suite of LOB tools replacing most of the legacy applications and modernization of the general productivity software. The transformation focused on harmonization of business processes across the organization and building functionality going far beyond that of existing legacy applications. The solution (Integrated Regulatory Information System, or IRIS) is developed on Microsoft Dynamics 365 and other Azure Cloud components.	\$22.8M	Enterprise architecture, solution architecture
03.20-10.20	BC Infrastructure Benefits	Enterprise Architect (Security) / Security Posture Assessment	Development of BCIB's Security Posture Assessment; included reviewing existing BCIB's security and privacy practices, documents, policies, and procedures; and providing recommendations.  Performing Security Threat Risk Assessment (STRA) for the Invoice Management solution.	OPEX	Enterprise architecture, security architecture
02.19-03.19	BC Ministry of Finance	Enterprise Architect / Reporting, Analytics, and Performance Management (RAPM) Assessment	RAPM health check assessment; required assessment of sustainability of the solution; identifying gaps in the solution vs. industry best practices; making recommendations for fit as data warehouse business intelligence environment.	OPEX	Enterprise architecture

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05.21-05.22	BC Hydro	Solution Architect / Reliability Centered Maintenance (RCM) Project. Identification phase	Replacing the RCM Turbo software used by BC Hydro with modern software; preparation of the RFP for the software replacement with a goal to acquire an Asset Performance Management system.	\$326K (IDN: \$132K)	Solution architecture
04.19-10.20	BC Hydro	Solution Architect/ Streetlight Replacement (SLRP) Program	Replacing BC Hydro owned streetlights with LED lights in order to maintain regulatory compliance, improve customer experience, and mitigate increasing support and maintenance costs. The Technology foundation for the program included building customer interface, workflows for work orders, financial transaction, integration with major systems (SAP, GIS, and others).	\$100M (IT: 2.5M)	Solution architecture
01.19-03.19	BC Hydro	Solution Architect/ ServiceLink for Contractors Project. Identification phase	Building a work order tool for BC Hydro contractors, integrated with the SAP work order and billing system.	~\$1M (IDN: \$143K)	Solution architecture
10.18-07.19	BC Hydro	Solution Architect / Distribution Work Delivery Planning Tool Project. Identification phase	Replacement of the current DWDP Tool, representative of \$375M spend, with a new modern tool	\$330K; IDN: \$64K	Solution architecture
05.17-09.17	Coast Capital Savings	Enterprise Architect / Digital Credit Union (DCU) Transformation Program. Planning phase	Performing discovery and planning for the DCU transformation program, which included application rationalization, market assessment, and vendor selection for digital banking experience.		Enterprise architecture, Cloud, integration

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	Coast Capital Savings	Solution Architect / Grant Management System Project	Cloud based grant management, volunteer management, and giving systems.		Solution architecture
11.16-04.17	Government of Alberta / Ministry of Infrastructure	Senior Architect / Transformation Roadmap Portfolio. Planning phase	Initiative to strategically plan, acquire, build, operate, and maintain Ministry's assets through an integrated set of tools.	\$15M (planning phase)	Enterprise architecture, solution architecture, business transformation, Cloud, integration, IWMS
	Government of Alberta / Ministry of Infrastructure	Enterprise Architect / Application Rationalization Program. Planning phase	Analysis and strategic planning to replace 30+ Ministry's business systems with Integrated Workplace Management System (IWMS) and to bridge legacy applications not covered (or partially covered) by IWMS.		Enterprise architecture, business transformation, IT-to-business alignment, Cloud (SaaS), IWMS, integration, migration
	Government of Alberta / Ministry of Infrastructure	Enterprise Architect / Information Management Program. Planning phase	The program goal was based on the modernization initiative to ensure the data and associated technologies provide a modern, self-service, consistent, and reliable platform for a data-driven decision-making imperative within the ministry. The program encompassed several projects: Enterprise Data Warehouse, Data Governance Strategy, Data Governance Framework Design; Business Intelligence.		Enterprise architecture, business transformation, IT-to-business alignment
	Government of Alberta / Ministry of Infrastructure	Solution Architect / ArcGIS Implementation Project	Replacement of client's legacy GIS system (AutoDesk MapGuide) with modern software (Esri ArcGIS).		Solution architecture, vendor management, Cloud (hybrid), integration

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04.15-10.16	Fujitsu Consulting (Canada) Inc. / BC Hydro Application Management Services (AMS)	Lead Architect, Member of the Fujitsu Senior Management Team / BC Hydro Application Management Services (AMS)	Application Management Services for 200+ applications; delivery of 100+ projects per year.	\$24.5M / annually (2016)	Enterprise architecture, solution architecture, management, AMS, process improvement
05.16-10.16	BC Hydro	Enterprise Architect / Application Portfolio Value Assessment	Application value assessment of BC Hydro's application portfolio, providing recommendations for application rationalization.	OPEX	Enterprise architecture, IT-to-business alignment, strategic planning, AMS
04.16-10.16	BC Hydro	Lead Architect / Moving Outage Management Applications to Microsoft Azure Project	Option analysis and strategy building for moving BC Hydro business systems to the Cloud.		Enterprise architecture, Cloud (IaaS, PaaS), security
01.16-09.16	BC Hydro	Lead Solution Architect / CRM Migration Project	A number of projects replacing legacy systems with MS Dynamics CRM 2013 for several business units.	\$8+M	Solution architecture, team management, system migration, CRM
11.15-06.16	BC Hydro	Lead Solution Architect / Service-Link for ESO, CGR/RE, MEX Project	Major functional release of the work orders system (SAP) to expand the functionality and integrate new workflows with 15+ systems.	\$10M	Solution architecture, integration, ESB
10.15-08.16	BC Hydro	Solution Architect / Portfolio Manager Project	Business Intelligence project, integrating SAP (on-premises) and ENERGY STAR Portfolio Manager (SaaS) with other analytical data to perform analysis of energy consumption for BC Hydro commercial customers.		Solution architecture, integration, Cloud, ESB, security

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07.15-08.15	BC Hydro	Solution Architect / Dual Radial Vault (DRV) Application Upgrade Project	Functional upgrade of the application providing interface to DRV maintenance information.		Solution architecture
04.15-05.15	BC Hydro	Enterprise Architect / T&D Small Applications Roadmap	Building the roadmap and reference architecture for miscellaneous (aka small) applications in Transmission and Distribution (T&D) department.		Enterprise architecture
04.15-09.16	BC Hydro	Lead Solution Architect / Generation Resource Management Legacy Application Migration (GRM LAMP) Project	Replacing outdated GRM applications with modern ones, building a common set of services for the use of a number of GRM legacy applications, replacing point-to-point integration with SOA approach and TIBCO ESB in order to provide common interfaces to other systems according to the organization's IT standards.	\$1.5M	Solution architecture, IT-to-business alignment, integration, ESB, SOA, security
10.14-03.15	University of Alberta	Project Manager / U of A Giving Web Site Project	Development of the U of A Giving Web site based on Sitecore content management system.		Project management, team management, managing offshore development
09.14-01.15	State of Minnesota	Solution Architect / Electronic Licensing System and US Bank Integration Project	Building a payment gateway on the Force.com platform to integrate Electronic Licensing System and US Bank; building a repeatable solution for future integrations.		Solution architecture, team management, Cloud (Force.com PaaS)

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11.13-08.14	Packt Publishing	Chief Author / Applied Architecture Patterns on the Microsoft Platform, 2 <sup>nd</sup> Ed. Packt Publishing, 2014, 456 pp.	Authoring 11 out of 13 book chapters, planning and organizing delivery of the text and examples.	OPEX	Technology book authoring, project management
11.11-11.13	Servus Credit Union	Enterprise Architect, Integration Architect / Fusion Business Transformation Program	Multi-year and multimillion dollar business transformation program that started as a result of a merge of three credit unions and had a goal of streamlining business processes and application rationalization.	\$120M+	Business transformation, enterprise architecture, IT governance, TOGAF, BIAN, IFX, SOA, CMMI, solution architecture, integration, ESB, vendor management
11.11-11.13	Servus Credit Union	Solution Architect / Integration (Enterprise Service Bus) Project	Replacing point-to point integration between 30+ internal and external applications with ESB; setting up SOA governance processes and policies; building ESB operations support.	\$15M	Business transformation, solution architecture, BizTalk and CA Layer 7 ESB, integration, SOA, SOA governance, vendor management, Cloud (SaaS), security
05.13-07.13	Servus Credit Union	Solution Architect / IVR POC	Performing option analysis for using an IVR Cloud solution.		Solution architecture, Cloud (SaaS)
04.13-08.13	Servus Credit Union	Solution Architect / ESB Performance and Health Monitoring Project	Delivering a monitoring system for the high volume transactional ESB.		Solution architecture, ESB
02.13-08.13	Servus Credit Union	Solution Architecture Lead / eTransfer Project	Integrating Servus' core banking system with Interac Online Payment System in the Cloud.		Solution architecture, Cloud (SaaS), ISO 8583, ESB, security

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01.11-09.11	Government of Alberta	Integration Architect / Alberta Police Information Integration (API3) Program	For Alberta Justice and Solicitor General, integration of data and systems of Alberta police departments and federal systems.	\$100M (IT: \$66M)	Integration architecture, LE/J Record Management Systems
09.10-11.11	Government of Saskatchewan	Solution Architect, Team Lead / Administration Compliance Enforcement Support (ACES) Modernization Project	For the Maintenance Enforcement Office of Saskatchewan Justice and Attorney General, replacing a legacy ERP system with a new one built on modern platform.	\$2.5M	Solutions architecture, data migration, team management
08.10-09.12	TPS Software Inc.	Software Architect / TPS Time and Billing Product Migration, phase II	Implementation of new functionality for TPS Time and Billing Product (accounting module).	OPEX	Software architecture, Agile, MS technology stack, Cloud
07.09-07.10	TPS Software Inc.	Software Architect / TPS Time and Billing Product Migration	Migration of TPS Time and Billing Product (financial, time management, HR management, client management) to the modern architecture/platform.	OPEX	Software architecture, Agile, MS technology stack
06.08-03.09	Visiphor Corp.	Chief Architect / Re-architecture of Bryiante Integration Environment Middleware Product	Re-architecture of Bryiante Integration Environment, Visiphor's flagship middleware for data sharing and federated search.	OPEX	Software architecture, strategist, integration, security
02.08-01.09	Canada Line Rapid Transit	Project Manager / Performance Monitoring System Project	Performance monitoring system design and implementation for Vancouver Transit.	\$440K	Project management, vendor management, managing offshore development
06.07-08.08	San Bernardino, CA Sheriff's Office	Project Manager / Distributed Search System with Facial Recognition Project	Implementation of distributed search system enabling facial recognition.	\$520K	Project management, integration with legacy systems, distributed data sharing, security



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09.06-02.09	King County, Washington State	Solution Architect, Team Manager / Regional Automated Information Network (RAIN) Project, phase II	Improvements to the data sharing solution (RAIN) between 37 King County police departments and the County jail.	Phase II: \$1.5M	Solution architecture, integration, management
08.06-02.08	Albuquerque, NM Police Department	Project Manager / Data Retrieval System Project	Implementation of data sharing between several police data sources.	\$240K	Solution architecture, integration, distributed data sharing, project management
07.06-08.08	Washington State	Solution Architect / Justice Information Network Data Exchange (JINDEX) upgrade and support	Problem resolution, upgrade, and support for JINDEX.	OPEX	Solution architecture, integration, ESB, leadership, project management
11.05-06.06	Washington State	Solution Architect / Justice Information Network Data Exchange (JINDEX) Project	Building data exchange for electronic ticketing (e-ticketing) and e-collision; integration between data sources for all (150+) police departments in Washington State as well as with Courts, DOL, and DOT State departments.	\$1.1M	Solution architecture, integration, ESB, leadership
09.05-11.08	Commonwealth Insurance Corporation	Lead Solution Architect / Claims System Project	Migration of the legacy Claims system to the modern platform.	\$4M	Solution architecture, integration, workflows
09.05-12.05	BC Provincial Health Service Authority (PHSA)	Solution Architect / Master Client Index (MCI) Project	MCI for PHSA data from several distributed sources.	\$110K	Solution architecture, integration

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01.04-01.05	Most Home Technologies	Software Architect, Lead Developer / Client Builder for Brokers (CBB) Product	Architecture and implementation of the template driven SaaS solution for real estate brokers that manage agents and listings	CBA and CBB: \$300K	Software architecture, solution architecture, team management, Cloud (SaaS development)
01.02-04.04	Most Home Technologies	Software Architect, Lead Developer / Client Builder for Agents (CBA) Product	Architecture and implementation of the template driven SaaS solution providing lead generation to almost 5000 real estate agents in North America		Software architecture, solution architecture, team management, Cloud (SaaS development)
08.01-08.03	Most Home Technologies	Software Architect, Lead Developer / RealBot Search and Data Integration Engine	Integration solution getting data from a variety of different MLS and other data sources, including ones based on the Real Estate Transaction Standard (RETS)	OPEX	Software architecture, solution architecture, distributed data search and integration, software development