



Colin Bell

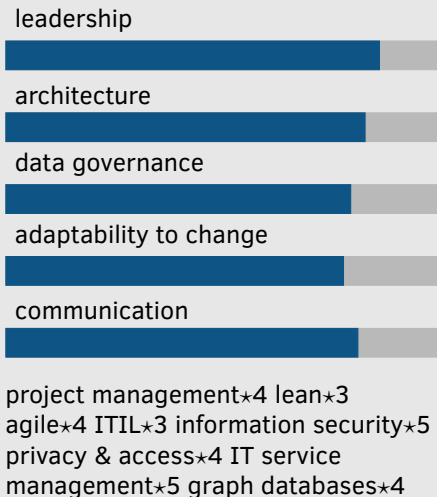
Director, EA

-  @colinbellCA
-  Kincardine, ON
-  +1 519 591 1384
-  <http://colinbell.ca>
-  inbox@colinbell.ca

About me

An innovative, dynamic, and transformational leader with a technical background in infosec, IT operations, development, and architecture. Career roles have focused on enterprise architecture, information management, integration, and leading client-facing services.

Skills



(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

Passion

Supporting organizations as they adapt to change through the creative deployment of human, data, and IT assets; driving efficient value creation for customers.

Education

2008 Bachelor of Mathematics
 University of Waterloo Waterloo, ON
Information Systems Management, Human-Computer Interaction, Entrepreneurship, Organizational Behaviour

Experience

- 2020 - now Director, Enterprise Architecture
 Canopy Growth Corporation Kincardine, ON
 Directing data management and architecture efforts to support a broad range of business transformation initiatives. Implementing business-owned/IT-led master data, process, and analytics governance. Providing architecture oversight for Trade Promotion Management, S&OP Forecast Improvements, and M&A projects.
- 2019 - 2020 Senior Manager, Enterprise Architecture
 Canopy Growth Corporation Ottawa, ON
 Launched Data Governance, Integration, and Enterprise Architecture programs. Managed a team of distributed architects supporting the deployment of a new ERP and Ecommerce platforms to support global business. Directed the survey of legacy technology, data, and integration assets to define transformation roadmaps.
- 2018 - 2019 Section Manager, Information Technology (IT) Operations
 Bruce Power L.P. Tiverton, ON
 Moved from education to expand into a new sector. Entered a role responsible for overseeing a 25+ team running 24/7 IT Operations at the world's largest operating nuclear power generating facility.
- 2017 - 2018 Director, Information and Integration Management (IIM)
 University of Waterloo Waterloo, ON
 Undertook an expanded mandate that encompassed enterprise data management, integration platforms, and business intelligence. Spun off the existing EA function to support enterprise portfolio planning.
- 2013 - 2017 Director, Enterprise Architecture (EA)
 University of Waterloo Waterloo, ON
 Created an EA program responsible for integration development, strategic innovations, information management, usability, and enterprise architecture.

Courses and Conferences

- 2013 ITIL Awareness (Pink Elephant)
- 2015 LEAN in Higher Education Conference (Lean HE)
- 2019 Accountable Leadership (Bruce Power)
- 2022 Data Quality 101 (eLearningCurve - EDM Council)
- 2022 Data Stewardship 101 (eLearningCurve - EDM Council)

Approach

Be empathetic but exacting. Treat everyone as equal and be inclusive while striving to support each person as an individual. Develop open, clear, and honest communications with my management, peers, and team members. Invest resources, time, and trust in people to develop capable teams.

Mantras

- “If you are to fail— fail early, fail cheap, learn fast.”
- “Dig deep to understand clients— fix the *root pains* to exceed expectations.”

PROFESSIONAL GOALS

Short-term: To lead a team in the development, deployment, and operation of compelling information systems while continuing to grow as a leader. To foster the development of strong, capable, and professional teams that regularly exceed customer expectations.

Long-term: To progress through positions that continually challenge me— leaving me fulfilled at work and proud of my contribution while remaining excited about future challenges. To assume roles of increasing responsibility that bridge the gap between client needs, organizational strategy, and information assets. To be a respected leader; known as a trusted innovator and an empathetic mentor with a passion for guiding people and organizations to reach their full potential.

IT LEADERSHIP KNOWLEDGE

Security & Privacy	Strategy & Governance	Enterprise Architecture
Service Management	LEAN / Agile Methods	Project Portfolio Management
Data Management	Information Governance	Information Lifecycle
Semantic Modelling	Solution Architecture	Integration Architecture
Budget Management	Risk Management	Staff Performance Mgmt.

TECHNOLOGY KNOWLEDGE

Workday HCM	Unit4 BW	Oracle PeopleSoft	SAP S/4HANA	Salesforce
Shopify	Shopify POS	Moneris	Global Payments	Symbia 3PL
Salsify	Bynder	Vistaar	RapidResponse	OneTrust
IBM IB	JAMS Scheduler	Apache Kafka	NGINX	Kong
AWS Stack	S3 / RDS	Redshift	Glue	Lambda
SQL Server	SSIS	MSBI / PowerBI	.NET Core	Dapper
Python	Pandas	Django	Neo4j	mincss
Jupyter	Tableau/Cognos	kubernetes	JIRA/Confluence	Slack/Teams

EXPERIENCE

Director, Enterprise Architecture Ottawa, ON

Canopy Growth Corporation Oct 20 - present

Promoted to direct in-house and external consulting engagements related to data management, data governance, business transformation, and enterprise architecture. Developed and operated a weekly Solution Review Board process to consider design submissions and ensure adequate stakeholder and cross-functional engagement.

Led architecture and master data aspects of initiatives to improve revenue through pricing management and forecasting bias through consensus based S&OP processes. Engaged with external consulting partners to plan and execute implementation roadmaps. Provided steering guidance to resolve issues and mitigate risks discovered during implementation.

Managed architects working to integrate M&A properties into a single central ERP instance. Developed strategies for master data management and engaged with business-side data working groups to determine data and process requirements.

Partnered with legal compliance teams to develop information management approaches that ensure legal frameworks (SOX/ICFR, GDPR, CCPA) in different jurisdictions were understood and supportable using architecture documentation.

Responsibilities: data and architecture strategy, global M&A reviews, 3PL&CMO integrations

Skills developed: field architecture analysis at M&A facilities, EDI & API specification

Senior Manager, Enterprise Architecture
Ottawa, ON

Canopy Growth Corporation
Oct 19 - Oct 20

Hired to launch and grow Data Governance, Integration Management, and Enterprise Architecture programs for Canopy Growth Corporation's Global IT Services. Worked across IT unit to understand roles and responsibilities of the newly formed EA function to define work programs.

Worked with ERP Solution Architect and stakeholders to develop tools and templates for an urgently required data governance stream inside a mission critical ERP and Ecommerce project. Developed principles, standards, and processes with a view towards an enduring Enterprise-wide program.

Performed a rapid survey of the Global Business-IT architectural landscape using graph database technology. Discovered information captured in spreadsheets and diagrams; imported the information into a graph using a standard Enterprise Architecture ontology. Identified critical data elements and objects that were a priority for mastering and governance through integration analysis.

Responsibilities: initiate programs, identify key stakeholders, support key tactical projects.

Skills developed: rapid on-boarding, graph modelling, critical data element analysis.

Section Manager, IT Operations
Tiverton, ON

Bruce Power L.P.
Aug 18 - Oct 19

Worked in the world's largest operating nuclear power generating facility responsible for leading a team of 25+ resources made up of first line managers, technicians, systems analysts, and independent contractors. Led the delivery of service desk, field services, IT operations, and the execution of key ITIL processes (Service, Incident, Problem, Change).

During business hours, the IT Operations section supported a diverse set of needs in the areas of infrastructure, unified communications, platforms, cloud operations, and end-user computing. Outside of business hours, the IT Ops Manager was responsible for leading the On-Call organization and maintaining reliable operations of all IT services.

Responsible as IT Change Manager for approving operational designs and scheduling releases to IT systems in a highly regulated secure environment. Managed systems up to and including interfaces with Operational Technology (OT) systems. Chaired the Technology Advisory Board (TAB) and Change Advisory Board (CAB) to bring together stakeholders and resources through the project management lifecycle.

Combined a background supporting data intensive research at UWaterloo with a leadership position in IT Operations to support R&D on a local Kafka, Hadoop, and Spark environment. The goal was to weigh local vs. cloud processing when pooling IoT data for Machine Learning algorithms to proactively identify impending equipment failures.

Responsibilities: major incident response, service request, problem, change, and ITIL operations.

Skills developed: collective agreement management, escalation management, emergency response, OHSA industrial safety management, critical systems change control.

**Director, Information & Integration Mgmt
Waterloo, ON**

**University of Waterloo
Mar 17 - Aug 18**

Developed vision and roadmap for the IIM section. Worked with stakeholders and researchers across the University to vet, refine, and realize the vision. Documented a service design approach and standardized section work practices to improve management of operations and work backlog. Supported a variety of warehousing, reporting, and integration development needs.

Launched the Microsoft Business Intelligence (MSBI) platform to provide salary and payroll reporting to authorized users across campus. The IIM section integrated GL access controls from the Financial System (Unit4) and applied them to data from the HR system (PeopleSoft). This was intended to be an interim solution while the University launched Workday but users requested that it become the permanent salary/payroll reporting environment.

Developed an Integration Platform Architecture to address Waterloo's needs through migrations from PeopleSoft to new ERP and HCM platforms. Directed an RFP to acquire key components. Deployed the components and migrated legacy integrations supporting HR, Finance, ERP, CRM, and Ecommerce functions.

Launched and chaired a campus-wide Information and Records Management Committee bringing information steward representatives together to define standards, procedures, and guidelines to lead the University towards leveraging information as a valuable campus-wide asset.

*Responsibilities: enterprise data mgmt., info governance, business intelligence, and integration services.
Skills developed: strategic vision & alignment, roadmap, stakeholder management, service management.*

**Director, Enterprise Architecture (EA)
Waterloo, ON**

**University of Waterloo
Nov 13 - Mar 17**

Launched a new section in the central IT unit focused on introducing the concept of Enterprise Architecture to campus. Hired two full-time permanent architects bringing the total section complement to seven staff. Undertook a program of work to apply Enterprise Architecture in a higher education environment. Led the development of artifacts from all domains. Acted as lead architect and/or development manager in volatile or at-risk projects (as requested by the CIO).

Initiated launch and use of an Agile Innovation Platform (Atlassian JIRA / Confluence / HipChat) for collaboration. Developed point-to-point integrations and operational data stores in support of a variety of campus business units.

Provided leadership in daily development stand-ups to launch and scale a new Student Portal to a student body of tens of thousands. Coordinated the use of a system developed by the Faculty of Mathematics for accessing data APIs for the Portal.

Developed detailed financial plans and obtained funding approval. Negotiated performance expectations with staff, reviewed progress, and planned professional development paths with each individual. Rewarded outstanding performance or provided coaching for improvement, as appropriate.

Identified campus researchers and research groups working in Data and Machine Learning. Sought support from the Institution to join the EDM Council working on the Financial Industry Business Ontology (FIBO) to explore adopting key semantic primitives in the development of a Higher Education Ontology.

*Responsibilities: integration development, information management, usability, enterprise architecture.
Skills developed: human resource management, budget management, staff performance management.*

Systems Integration Specialist (Security)
Waterloo, ON

University of Waterloo
Jan 11 - Oct 13

Member of an IT security operations rotation securing a Class B public address space (129.97.x.x) and private subnets. Performed compromise remediation, breach management, certificate issuance, stolen device reporting, and police statements as required. Granted membership in a private intelligence sharing group called REN-ISAC. Acted as PM on a number of implementations and RFPs.

Responsibilities: security operations centre, vulnerability management, incident response, remediation.
Skills developed: project mgmt., compliance mgmt., network traffic analysis, client incident response.

Computing Support Specialist
Waterloo, ON

Institute for Quantum Computing
Sep 08 - Jan 11

Responsible for the service desk, desk-side support, web development, system operations, and IT strategy. Performed RFQs and sub-contracted systems development work out and managed deliverables. Provided support to students, faculty members, and administrative staff. Provided feedback on the design, configuration, and installation of high-performance computing clusters. Supported scientific applications like MATLAB and Wolfram Mathematica on these clusters.

Responsibilities: security, development, project planning, server operations, change management.
Skills developed: managing people, integrating systems and people, identifying and meeting user needs.

Computer Science Tutor
Waterloo, ON

University of Waterloo
Sep - Dec 06, May - Aug 07, Jan - Apr 08

Developer / Technical Market Researcher
Ottawa, ON

NewHeights Software
May 03 - Aug 03, Jan 04 - Apr 04

Software Developer
Ottawa, ON

March Networks
Jan 02 - Apr 02, Sep 02 - Dec 02

REFERENCES

Available upon request.