

GovLab AI

Powered by AltaML



The Future is Agentic

2025-2026

Impact Report

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About GovLab

GovLab accelerates public sector transformation through responsible, data-driven artificial intelligence (AI).



Co-founded by AltaML, the Government of Alberta (GoA), and Mitacs, this innovation hub empowers organizations to modernize operations and improve service delivery by leveraging their data. By harnessing AltaML's AI and machine learning (ML) expertise, together with the skills of post-secondary students and graduates, GovLab solves complex challenges, delivers practical solutions, develops talent, and fosters responsible AI adoption.

This year, GovLab delivered significant results and demonstrated new possibilities for governments across Canada and beyond.

AI tools now extract accurate answers from thousands of pages of legislation in seconds. ML models help protect \$110 million in monthly childcare payments, strengthen cybersecurity, streamline legal disclosures, and bring data-driven precision to an \$8.6 billion school construction program. These initiatives make governments more agile, intelligent, and responsive while building a sustainable pipeline of public sector talent that supports lasting careers and keeps world-class expertise and its impact close to home.



A Message from Leadership



Chantal Ritcey

Public Sector Industry Lead
AltaML

The public sector stands at an inflection point. Governments face rising service demands, tight budgets, and workforce pressures. At the same time, the tools available to address these challenges are more powerful than ever. AI is no longer emerging; it is here, actively reshaping how public institutions serve citizens. At AltaML, we built GovLab to help governments identify, design, and implement AI solutions that address their unique challenges.

The opportunity is immense. AI is automating labour-intensive processes and revealing insights hidden in decades of unstructured data. It is unlocking new capacity across government, from education and social services to infrastructure and justice. **Generative AI (GenAI) has expanded what is possible, while agentic AI pushes the frontier further by enabling systems to plan and act across complex workflows.** What once took years can now be prototyped in days and deployed in weeks.

This moment is also shaped by who is building these systems. AltaML is proudly Canadian-owned, with talent drawn from our universities, communities, and shared ambition. As digital sovereignty and data security become increasingly critical, it's important that public sector AI is designed and maintained by individuals accountable to the communities they serve.

None of this would be possible without our partners in government. The public servants and leaders we work with through GovLab are not passive technology consumers. They are co-creators. Their leadership, commitment, and willingness to navigate change have turned ideas into real-world impact. We are deeply grateful for their partnership.

This report demonstrates how public sector AI, enabled by GovLab, is delivering real results. Together, we have built a solid foundation and real momentum. **Our goal remains clear: to accelerate and scale AI's impact in addressing the public sector's urgent needs.**



Jodi Goebel

Health Industry Lead
AltaML

Health systems globally are at a pivotal moment in AI adoption. While awareness of health AI’s potential is high, the gap between experimentation and real-world impact remains significant.

Bridging this gap requires more than technical expertise. AltaML is a trusted applied AI partner because we collaborate closely with clinical and operational teams to deliver solutions that improve care and reduce costs. **Our combination of AI expertise and health sector experience enables partners to move quickly from problem definition to validated, deployable tools that meet the rigour of healthcare environments.**

Our work with Cancer Care Alberta through the Cancer Precision Analytics program demonstrates this impact. Using data from approximately 300,000 cancer cases and 14 million interactions (2010–2024), we developed predictive models that have progressed to clinical and operational validation to support system planning and address cancer wait times.

Beyond oncology, our work with Alberta Primary and Preventative Health Services through GovLab has improved decision-making in vaccine distribution and grant funding, strengthening core health system infrastructure.

Across both initiatives, a clear model has emerged: structured public-private collaboration that accelerates AI deployment while ensuring performance and accountability.

This model demonstrates how applied AI can move from experimentation to real-world impact in healthcare.



Bruce McDonald

Director,
Artificial Intelligence Program
Government of Alberta (GoA)

I’m genuinely grateful for the opportunity to work with the AltaML GovLab team over several years, both as a collaborator and strong advocate for applied, responsible AI (RAI) in the public sector. What stands out is not just GovLab’s technical expertise, but the team’s clear commitment to RAI. **Their dedication to ethical practices, thoughtful governance, and public-interest outcomes is evident in every engagement.** They consistently bridge government, industry, and emerging talent, with a focus on real impact over hype.

Through GovLab, we partnered to bring advanced analytics and AI to real government challenges, emphasizing practical, ethical, and policy-oriented solutions. RAI was foundational, not an afterthought. The team fostered innovative experimentation while upholding essential public sector constraints: risk management, privacy, security, and accountability. Achieving this balance is difficult, but AltaML meets it with consistent professionalism, integrity, and care.

From a leadership perspective, collaborating with GovLab strengthened internal capability by exposing teams to modern delivery practices, multidisciplinary collaboration, and new ways of thinking. It also demystified AI for public servants, reinforcing the point that these tools support decision-making, not replace human judgment.

The impact of this work extends beyond individual projects; GovLab fosters curiosity, learning, and partnership across government. **GovLab is a trusted partner driving ethical, responsible innovation.** I appreciate working with such a dedicated team.





Ameen Yarkhan

Growth Engineer, AI Systems
AltaML

My journey at AltaML began as an Associate Machine Learning (ML) Developer. I was fascinated to see how lines of code could evolve into fully functioning AI-powered systems. **Through the program, I had the opportunity to deepen not only my technical skills but also my understanding of how AI creates real-world value.**

It quickly became clear to me that even the most well-engineered solution isn't enough on its own. If it doesn't address a meaningful problem, its impact will be limited. That realization sparked my transition into product management.

Working with GovLab has allowed me to bridge that gap. I moved beyond building models to defining problems, collaborating with stakeholders, and ensuring solutions were both impactful and usable.

That experience ultimately led me to where I am today. Now, I drive development for AltaForge, our proprietary agentic AI platform, bringing together technical and product perspectives to build solutions that matter.

Hadi Rouhani

Machine Learning Developer
Government of Alberta (GoA)

From my first day as a Machine Learning Associate at AltaML, I found opportunities to grow both technically and professionally alongside an outstanding team. **AltaML's agile culture empowered me to move fast, think creatively, and consistently deliver impactful results.**

Working with talented team leads and project managers, I participated in several challenging, short-term cohorts that pushed me to apply machine learning in practical, high-stakes environments. In these cohorts, I helped build solutions that aren't just theoretical; they're actively used within organizations to drive real decisions today.

I'm especially proud of a project that began during my time at AltaML and continues to make a difference in my current role with the GoA. The solution assists capital planning officers in the Ministry of Education and Child-care in evaluating school applications more effectively. The model achieves high predictive accuracy, and every 1% improvement in officer decision-making saves the Government approximately \$19 million annually. That kind of impact, measured in taxpayer dollars saved and better services delivered, is exactly why I chose to bring my skills into the public sector.

My journey from AltaML Associate to working in tech and Innovation with the GoA reinforced something I deeply believe: investing in people and providing them with the right environment to grow in delivers results far beyond the individual.

AltaML gave me that foundation, and I am grateful every day for the support, mentorship, and trust I received along the way.



Use Cases



Research Assistant

Instant, Defensible Answers for Complex Government Policy
Government of Alberta (GoA)



The Challenge

GoA staff must deliver prompt, accurate answers while navigating numerous acts, regulations, and policy manuals. Key information is often buried in lengthy PDFs, forcing reliance on memory and manual searches, escalations to senior staff are common.

Contact centres could only answer approximately 51% of incoming calls, so even minor inefficiencies add significant operational strain. Delivering fully accurate answers is essential.



The GovLab Solution

GovLab developed a secure, specialized Research Assistant for legislative research, engineered for precision, transparency, and scalability. Smart chunking preserves legal structure, allowing users to quickly locate relevant information. Clickable citations enable instant source verification, while strict source controls ensure outputs are drawn only from approved materials, reducing confusion and errors.

Built on enterprise-ready architecture, Research Assistant can be deployed quickly with minimal disruption. Now trusted across five GoA business units, it demonstrates strong scalability and seamless integration into existing operations.



The Impact

Research Assistant is transforming how legislative research is performed, reducing escalations and delivering consistent, accurate answers in seconds. It empowers frontline staff to work with greater confidence, supports compliance to regulatory standards, and expands capacity without increasing headcount.

Proven. Trusted. Scalable.

10%+

targeted efficiency gains achieved

Handles

5,000

pages of policy and documentation

Deployed across

5

GoA business units

9/10

Customer success rating

Citation-Based
Answers Delivered
in Seconds

Program Pattern Analyzer

Protecting Public Funds Through Risk-Based Payment Review
Government of Alberta (GoA)



The Challenge

Education and Childcare Claims Review Specialists are responsible for assessing approximately \$110M in monthly childcare claims within fixed, twice-weekly payment cycles. Each cycle requires rapid triage of hundreds of claims, reconciling data across multiple systems and documenting audit decisions under tight timelines.

Risk detection relied heavily on labour-intensive manual processes and professional judgment, directing significant effort toward low-risk claims, limiting the ability to proactively identify anomalies, and increasing reporting pressure for the Office of the Auditor General. As claim volumes continued to grow, sustaining payment integrity and audit readiness became increasingly difficult without a more efficient approach.



The GovLab Solution

GovLab partnered with Education and Childcare to develop the Program Pattern Analyzer, a lightweight, AI-enabled decision-support tool designed to help specialists focus on high-risk claims and strengthen safeguards for public funds.

The solution applied statistical and ML-based anomaly detection to identify unusual claim patterns, presenting results through an intuitive dashboard aligned with existing workflows. Each flagged claim included a clear explanation and contributing factors, while the system generated exportable audit logs with documented rationale, timestamps, and review status. The analyzer was deployed directly into live Claims Specialist review cycles, enabling immediate integration into day-to-day operations.

The analyzer was designed to support, not replace, professional judgment. It embedded subject-matter expertise into the review process while ensuring specialists remained fully accountable for final decisions.



The Impact

The Program Pattern Analyzer shifts review from broad sampling to targeted, risk-based analysis, enabling specialists to prioritize high-risk cases more quickly, reduce time spent on routine checks, and strengthen audit defensibility within existing resources.

Focused Oversight. Stronger Integrity.

Handles

\$110M

in monthly payments

Scores

100%

of claims each cycle to enable risk-based prioritization

Introduces **explainable, risk-based flagging** with clear contributing factors

Generates **exportable, audit-ready logs** for every review decision

Net Promoter Score (NPS)

10/10



“If you stick with us for a year, you will be able to have an impact that is so visible. Like it’s off the charts visible.”

–OMAR FARHAT
Senior Program Analyst

“If you ever have a question about the value, I can see it’s definitely there.”

–MASHA
Manager, Provincial Programs

“Anything that’s going to make my world easier at the end of the day, I will support you guys 100%.”

–CARLA LEGARE
Claims Review Specialist (End-User)

“This is so cool... It’s very clear, bright, and has the information.”

–MELISSA ROR-CHOW
Director

Cybersecurity Threat Clustering

Turning 500,000+ Daily Logs into Actionable Intelligence
Government of Alberta (GoA)

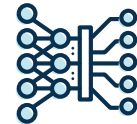


The Challenge

The GoA's cybersecurity systems generated approximately 500,000 threat events daily. Despite robust detection tools, the sheer volume of data created significant operational bottlenecks.

Two information security analysts spent one to two full days per week manually preparing and structuring data, limiting time for active threat mitigation. With such a high volume of accounts and events, manual analysis alone was no longer sustainable.

As cyber risk continued to grow, reactive workflows strained capacity and increased the risk of missing critical threat patterns.



The GovLab Solution

GovLab partnered with the Cybersecurity Services Branch to develop Cybersecurity Threat Clustering, an ML solution that automates large-scale threat grouping and analysis.

The solution clusters web activity based on behavioural patterns and applies a two-step refinement process to isolate coordinated attacks, reducing work that previously required manual spreadsheets and pivot-table analysis to seconds of processing time. AI-generated explanations provide clear rationale for why each cluster is flagged as suspicious, transforming raw log data into structured, explainable intelligence.



The Impact

Cybersecurity Threat Clustering transforms security operations by enabling automated, proactive threat detection. It allows analysts to focus on proactive threat prevention rather than manual data processing preventing attacks, reducing risk across the province's digital environment.

Maximize Security.
Unlock Analyst Potential.

Processes

500K+

logs daily

Analyzed

27K+

hostile transactions in validation period

Reduced manual spreadsheet work from **hours to seconds**

Redirects **two analysts** to proactive threat prevention

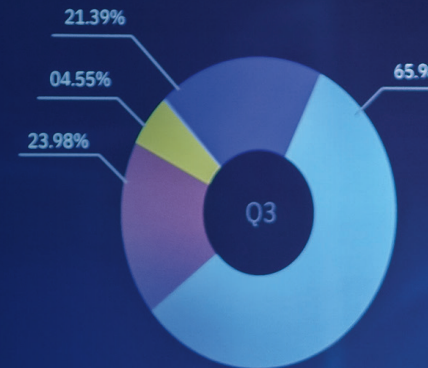
Customer success rating:

10/10

Income

Sales:

Making Department
Film Department
Post Department



Jul 2019

"10 out of 10, maybe 11 or even 15! You guys have been great to work with, it's been a pleasure."

-MICHAEL SCHWAB

Director, Application and Product Security

Road Sign Detection

Automating Road Sign Inventory Validation to Improve Public Safety and Infrastructure Accuracy
City of Calgary



The Challenge

The City of Calgary manages an extensive road sign inventory that is vital for safety, navigation, and compliance. Maintaining accuracy requires ongoing validation to identify missing, obstructed, or outdated signs.

Through an existing initiative to detect road cracks and potholes using video imagery, the City identified an opportunity to extend the value of this data by capturing and assessing road signs, creating a pathway to validate sign inventory at scale without separate inspection processes. Manual inspections covered only 10% to 20% of signs annually, leaving gaps across the network and increasing the risk of undetected issues, making a more scalable approach essential.



The GovLab Solution

GovLab partnered with the City of Calgary to create an AI-driven road sign detection system that automated inventory validation through computer vision and geospatial analysis.

The system recognized road signs across 15 categories using imagery and compared detected assets against inventory records to identify discrepancies. It generated GIS-ready outputs to support targeted maintenance and efficient work order creation. Delivered through a web-based dashboard, the solution enabled teams to analyze any area on demand, shifting from periodic field inspections to continuous, scalable monitoring.



The Impact

Automated validation expands visibility and reduces reliance on manual field inspections. Maintenance teams can quickly find missing or misclassified signs, improving response times and strengthening public safety. This solution provides a scalable foundation for broader infrastructure monitoring, enabling the City to extend this approach to additional asset types and jurisdictions over time.

Expand Visibility. Accelerate Response.

Annual coverage increased from

10%-20%

to up to

45%

Reduced reliance on manual field inspections, freeing capacity for higher-priority work

Reliable automated validation

92%

precision, and

86%

recall

Time to identify missing or incorrect signs reduced from months to days



Redaction AI Agent

Accelerate Secure Disclosure with Streamlined, AI-Powered Redaction
Alberta Crown Prosecution Service, Justice



The Challenge

Legal teams process thousands of disclosure documents annually, many of which contain sensitive personal and financial information that must be redacted before release. This process has historically been manual, time-consuming, and challenging to standardize.

Prosecutors in Edmonton, Calgary, and regional offices dedicated 10,000 to 13,000 hours each year reviewing disclosures, equivalent to 5 to 6 full-time positions. As document volumes grew and privacy requirements remained strict, protecting personally identifiable information (PII) was slow, resource-intensive, and prone to human error.



The GovLab Solution

GovLab developed a Redaction AI Agent, a privacy-centric solution that automated PII detection while preserving human oversight. The system identified and tagged personal, financial, and confidential information across both typed and scanned documents, applying standardized yet customizable redaction categories, with a session-based architecture ensuring sensitive data was never stored.

A human-in-the-loop (HITL) review enabled staff to validate, adjust, and finalize redactions before disclosure. This method transitioned redaction from manual identification to efficient AI-assisted review, enabling legal teams to process high volumes of documents quickly with improved consistency and control.



The Impact

Automated PII detection reduces the repetitive burden of review, allowing legal professionals to focus on higher-value work. The solution is scalable and secure, enhancing efficiency while upholding rigorous privacy and accountability standards for disclosure processes.

Protect Privacy. Increase Capacity.
Ensure Compliance.

10k to 13k

disclosure review hours annually

Equivalent to **five to six** full-time positions

Approximately

50,000

traffic disclosures processed per year

Privacy-first, session-based architecture
(no data storage)

HITL validation ensures **full accountability**

Subject Mapping Agent

Automating Research Classification to Enhance Portfolio Intelligence and Support Evidence-Based Policy
Alberta Advanced Education, Policy and Strategy



The Challenge

Policy and research teams manually classified nearly 4,000 agreements annually across 21 post-secondary institutions. This time-consuming process often resulted in inconsistent tagging of subject areas and domains.

Manual classification limited scalability, delayed portfolio analysis, and made it difficult to respond quickly to research funding, emerging strengths, and system gaps. As agreement volumes increased, producing consistent and defensible reporting became more difficult.

Without automation, generating structured system-wide intelligence remained slow and resource-intensive.



The GovLab Solution

GovLab developed the Subject Mapping Agent, an AI-enabled tool that applied a standardized research taxonomy to unstructured agreement data.

The tool automatically mapped agreements to 175 research subjects across nine high-level domains. It analyzed multiple inputs, such as titles, summaries, and sponsor information, to reflect the complexity of each agreement. Each agreement could be assigned up to five subjects, with clear, human-readable rationales supporting each classification.

Designed for real-world adoption, the tool integrates with existing Excel workflows and Power BI reporting environments. Rather than replacing analysts, it shifted the process from manual tagging to AI-assisted classification with human validation, improving speed while maintaining oversight and trust.



The Impact

The Subject Mapping Agent standardizes portfolio analysis across Alberta's post-secondary system, enabling analysts to quickly generate more reliable insights into research funding and policy trends. This improves evidence-based decision-making and supports more informed, long-term strategic planning across the system.

Structured Insight. Faster Analysis. Stronger Decisions.

175

subjects mapped across
nine domains

Up to **five subjects**
identified per agreement

Targeting

80%

agreement with subject-matter
expert validation

Education Capital Planning Impact Model

Enabling Data-Driven School Planning to Optimize Utilization and Protect Public Investment

Government of Alberta (GoA), Education Capital Planning



The Challenge

In 2025, Alberta approved \$8.6 billion for new school planning and construction. Each year, the Education Capital Planning team reviewed approximately 440 proposals to determine optimal school size and location within tight timelines.

Analysts manually compiled demographic, enrollment, and nearby school data for each scenario, a process that took approximately 40 minutes per analysis and totalled nearly 300 hours each year. Only 25% to 35% of submissions arrived complete, and school boards often relied on inconsistent or incomplete data sources.

Without a standardized, data-driven approach, evaluations were time-intensive and inconsistent, increasing the risk of overbuilding.



The GovLab Solution

GovLab developed a predictive modelling application that enabled analysts to simulate school planning scenarios and forecast enrollment pressures within minutes.

Using ML, the tool predicted utilization based on distance, grade configuration, and program variables. Analysts could draw custom catchment areas to reflect realistic boundaries and adjust inputs, such as population growth and projected capacity.

The application connected to a centralized, annually refreshed data pipeline and processed multiple scenarios in parallel with near-instant results. Performance metrics were surfaced through an intuitive interface, while student data was anonymized to support responsible AI deployment.

This provided a standardized, single source of truth for capital planning decisions.



The Impact

The application reduces analysis time from 40 minutes to 7.5 minutes per scenario, an 81% improvement in operational efficiency. Analysts can size schools more accurately to meet the provincial 100% utilization target, reducing the risk of costly overbuilding.

For context, building a 900-student-capacity school rather than a 600-capacity one can cost up to \$16 million more. By improving sizing precision, the model strengthens fiscal stewardship across a multi-billion-dollar capital program.

The solution now supports planning across 17 Alberta communities, scaling from initial pilots in Calgary and Edmonton to enable consistent, data-driven decision-making province-wide.



Data-Driven Capital Decisions at Provincial Scale

81%

faster scenario analysis,
reducing time from

40 to 7.5

minutes per proposal

238 hours

saved annually, equivalent
to 6.5 weeks of analyst capacity

92% to 93%

predictive accuracy in Calgary and Edmonton

Scaled

2 to 17 cities

enabling province-wide deployment

Net Promoter Score (NPS)

9/10

“The team answered our questions as we went along and kept us informed... very satisfied.”

-SOLUTION USER



AI-Powered Admissions Screening

Supporting Faster, More Accurate Admissions Decisions Through Intelligent Document Processing

University of Alberta (U of A)



The Challenge

The U of A processes a high volume of international student applications, many of which require detailed validation of academic documents. This work is complex, manual, and time-intensive.

Manual validation resulted in operational inefficiencies that limited the admissions team's response times. Incomplete or incorrect submissions further extended decision timelines, and as a result, the average processing time increased from 33.07 to 50.64 days. For students, these operational delays translated into administrative friction and uncertainty, with waits of up to four months for feedback on document status. Without automation, the process strained staff capacity and slowed the overall admissions cycle.



The GovLab Solution

To address this challenge, GovLab deployed an AI-powered Application Screening Tool that partially automated the validation of international student admission documents. This tool, built using the Smart Data Extraction Pipeline (SDP), powered by AltaForge, AltaML's proprietary agentic AI platform, and Azure OpenAI large language models (LLMs), extracted key academic information from transcripts and validated it against complex institutional admission requirements.

The tool enables admissions teams to triage applications more efficiently by identifying missing or incorrect documents early, reducing repeated manual reviews. By integrating AI into existing workflows, the solution enhanced staff decision-making while maintaining human oversight for final admissions decisions.

While developed for higher education, the underlying framework established a scalable approach to high-integrity document validation across complex, rules-based environments.



The Impact

The solution delivers significant gains: greater operational capacity, faster decisions, and an enhanced student experience. Admissions teams process complex applications more efficiently, reducing decision timelines and alleviating bottlenecks. Earlier identification of incomplete or incorrect submissions enables faster communication with applicants, providing them with greater transparency and reducing uncertainty about their application status.

From October to December 2025, AI-assisted review reduced response times to 18.49 days, compared to 24.11 days for manual reviews.

Staff adoption reached 63.5%, exceeding the Stage 1 adoption goal. Early results indicate higher application completion rates, directly linking timely feedback and streamlined workflows to higher-quality submissions.



Faster Admissions. Improved Experience. Scalable Impact.

Approximately

6 days

faster processing
for complex applications

Approximately

5.6

faster student notification
for incomplete documents



63.5%

staff adoption, exceeding target

Increased Application Completion Rates.

Legacy and Impact

2025-2026



**Interns
Hired**

112



**Returning
Associates**

12

Hired in full-time roles at AltaML

26

Associates have done multiple terms with GovLab or did 1 term in GovLab and returned to AltaML for another internship term somewhere else within the organization



**Total
Applications**

8,195

Software/ML applications

1,901

Business Solutions Consultants (BSC)



**Projects
Completed**

17

Completed during this reporting period



**Minimum
Viable
Products**

17

Solutions delivered

AI Foundations

Building the Conditions for Responsible AI Adoption

AltaML delivers measurable AI impact in the public sector. True transformation requires readiness across people, policy, and systems, not just technology. Not all organizations are ready to launch AI immediately. Supporting organizations effectively and responsibly helps to ensure they can move beyond their starting point. GovLab's AI Foundations offers advisory and capacity-building services to help organizations prepare for responsible AI adoption before developing solutions.

What We Deliver

These services support the full spectrum of organizational readiness. Organizations may require one or more of the following:



AI Education and Fluency

Build a practical understanding of AI across leadership and frontline teams, enabling informed decision-making grounded in knowledge rather than hype.



Policy and Guardrails

Define roles, accountabilities, and oversight mechanisms so organizations can manage AI initiatives with confidence and control.



Technology Assessment

Evaluate existing systems and future investments to ensure alignment with data infrastructure, compliance requirements, and long-term AI strategy.



Ideation and Feasibility

Develop a prioritized roadmap of AI opportunities, distinguishing immediate, "shovel-ready" projects from those requiring foundational work such as data readiness or infrastructure investment.



The Outcome

Together, these services provide organizations with a comprehensive assessment of their current AI readiness, specific steps required to close gaps, and a clear roadmap with measurable milestones. This enables leadership to confidently plan, implement, and track the progress of responsible AI adoption.

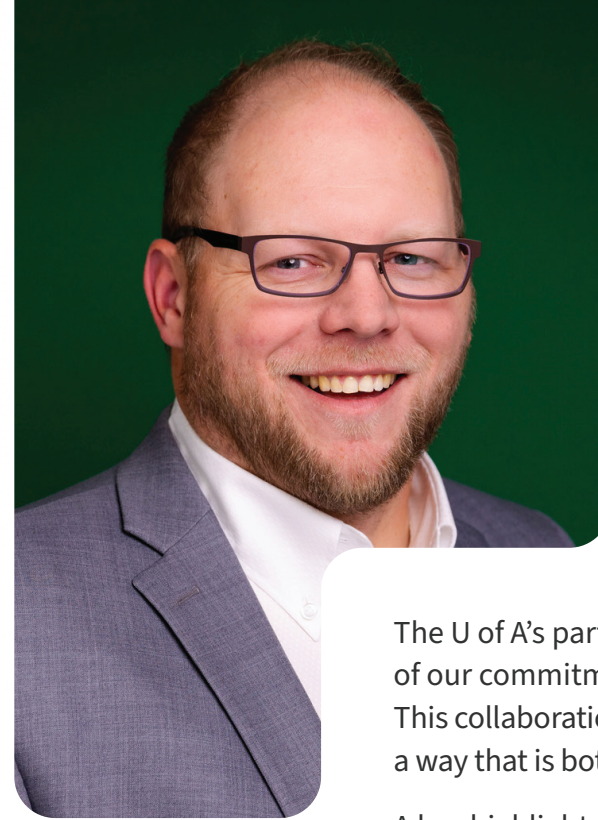
Building AI readiness across federal, provincial, and municipal governments.

Expanding Impact

This year, GovLab's AI Foundations reached broader audiences. The Canada School of Public Service (CSPS) engaged AltaML to deliver responsible AI training, equipping federal public servants with the knowledge and frameworks needed to engage with AI confidently and responsibly. This work demonstrated how foundational investments can scale impact beyond a single organization, strengthening AI readiness across an entire public sector ecosystem.

GovLab also supported municipalities, counties, and other public bodies, including Crown corporations, in beginning their AI journeys, reinforcing that responsible AI adoption is not limited to large provincial governments. It is a capability that can be built across all levels of public service.

Impact Statements



Chris Brunell

Associate Vice-President, Strategic Transformation and Delivery and Chief Transformation Officer
University of Alberta (U of A)

The U of A's partnership with GovLab over the past year has been a cornerstone of our commitment to institutional modernization and service excellence. This collaboration has allowed us to explore the frontier of artificial intelligence in a way that is both responsible and deeply impactful for our campus community.

A key highlight of this year's work was the successful development of the Application Screening for Admissions Documents project. This initiative addressed a critical administrative bottleneck, streamlining a key step in the evaluation process and ensuring that applicants receive more timely responses. By leveraging AI to support document screening, we have not only increased operational efficiency but also enhanced the applicant experience, allowing our admissions teams to focus their expertise on complex decision-making.

Beyond this specific application, **our work with GovLab has been defined by a series of strategic discoveries.** These exploratory sessions were instrumental in identifying various institutional pain points, ranging from student enrolment projections to bursary application reviews and determining where AI could provide scalable solutions. **These discoveries have continued to foster a culture of collaboration and innovation across campus.**

GovLab has been an instrumental partner in our work as part of the AI Innovation Lab. Beyond technical implementation, they have been a vital educational partner, facilitating numerous training sessions for U of A staff on AI literacy, ethical AI frameworks, and the practical use of AI on campus. These sessions have empowered our workforce to engage with emerging tools confidently and responsibly.

The outcomes observed go beyond software and scripts; **our GovLab partnership has given the U of A the confidence and framework to lead in the ethical application of AI.** We look forward to continuing this momentum, ensuring that the University of Alberta remains at the forefront of higher education innovation.

Hilary Faulkner

Assistant Deputy Minister
Government of Alberta – Innovation, Privacy
and Stewardship and Chief Privacy Office,
Technology and Innovation

I'm genuinely grateful for the opportunity to work with the AltaML GovLab team over several years, both as a collaborator and strong advocate for applied, responsible AI (RAI) in the public sector. **What stands out is not just GovLab's technical expertise, but the team's clear commitment to RAI.**

Their dedication to ethical practices, thoughtful governance, and public-interest outcomes is evident in every engagement. They consistently bridge government, industry, and emerging talent, with a focus on real impact over hype.

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From a leadership perspective, collaborating with GovLab strengthened internal capability by exposing teams to modern delivery practices, multidisciplinary collaboration, and new ways of thinking. It also demystified AI for public servants, reinforcing the point that these tools support decision-making, not replace human judgment.

The impact of this work extends beyond individual projects; **GovLab fosters curiosity, learning, and partnership across government.** GovLab is a trusted partner driving ethical, responsible innovation. I appreciate working with such a dedicated team.



Chris Normandeau

**Executive Director, Cancer Research
and Business Partnerships**
Cancer Care Alberta

Cancer Care Alberta is committed to delivering world-class care for every Albertan diagnosed with cancer. To meet the challenges of a rapidly evolving system, where diagnoses are projected to rise 56% by 2040, we are harnessing the power of data in ways that were not possible before.

Through the Precision Analytics program, a landmark collaboration with the Alberta Cancer Foundation, we are turning Alberta's extraordinary health data advantage into a roadmap for faster, more personalized cancer care. Since 2014, over 300 million patient visits have been recorded across the province, creating one of the most complete cancer datasets in the world. Powered by a partnership with GovLab and AltaML, **we have been working to transform this resource into a first-of-its-kind digital map of the cancer journey by building models that allow health leaders to model the provincial system virtually, identify where pressures are building, and test new solutions before they are introduced into real-world care.**



Our partnership with GovLab has been transformative. It has **rapidly upskilled our team, accelerated our progress** well beyond what we could have achieved independently, and demonstrated that complex health system data can be used innovatively, ethically, and with the agility of the private sector.

Together with AltaML, we have proven that data-driven collaboration can reshape the future of cancer care. This is just the beginning. We are deeply grateful to the Alberta Cancer Foundation and its generous donors, and to our sponsors whose investments are helping us move from insight to action for the benefit of every Albertan.



Dr. Stephen Lucas

CEO
Mitacs

Through the partnership between Mitacs and AltaML's GovLab, applied AI solutions are being developed to address critical public sector challenges. These include wildfire prediction, infrastructure capital planning, and workforce optimization. Now in our fourth year working together, **we have witnessed firsthand the impact of a talent-first approach**, through investments in training and hands-on opportunities that strengthen research capacity, accelerate commercialization, and build a more resilient economy in Alberta and across Canada. This collaboration helps solve real-world challenges by **translating research into tools that enable data-driven decisions, operational efficiency, and measurable societal impact.**

Four Years In. Just Getting Started.



Cory Janssen

Co-Founder and
Chief Executive Office (CEO)
AltaML

Four years ago, GovLab was founded on the belief that the public sector, with the right partnerships and approach, can keep pace with industry. That conviction has proven true.

Since 2022, this belief has driven us to complete dozens of projects, upskill hundreds of Associates and Residents, and identify hundreds of millions in potential value for Canadians. Our growing project backlog reflects both the trust we have earned and the government's urgency to move faster.

This momentum has only accelerated. **Over the past 18 months, advances in generative AI, large language models, and now agentic AI have fundamentally changed our speed and capabilities.** Solutions that once took months can be prototyped in days, and insights buried in decades of government documents can be surfaced in seconds. GovLab is where we put that acceleration to work, in real environments, with real data, on problems that matter.

AltaML's foundation in classical ML, models that predict, classify, and optimize across workforce planning, predictive maintenance, and risk scoring, positions us to **lead what comes next: purpose-built agentic systems** that reason across complex workflows, take action, and deliver measurable results. GovLab will pioneer this shift in Alberta, moving government from AI that informs to AI that acts.

This leadership ties directly to a broader moment. **Investments in digital infrastructure**, including Alberta's AI Data Centre Strategy, one of the most ambitious in North America, signals the scale of opportunity ahead. However, infrastructure alone is not enough. Competitive advantage comes from what runs on top of it. That is the work we are advancing together.

Of course, none of this happens without **the public servants who champion AI** when it would be easier not to. We build the technology; they bring it to life. Thank you.

As we look ahead, GovLab's momentum continues to build. The foundation is set, the backlog is growing, and the technology is accelerating rapidly. What began as a bold experiment has become a proven model for responsible, high-impact AI in the public sector. **The future of public sector AI is being built here, and we are ready to lead it together.**

Turn Vision into Action

Connect with AltaML to learn more about how to transform your business area responsibly and at speed to shape the next chapter of public sector innovation.

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