

Ian Le Blanc

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Professional Experience

Backend Software Developer - Desjardins

Apr 2024 – Jan 2026

- **Technologies:** Python, SQL • API design • ETL pipelines • Event-Driven Systems • Git • Azure DevOps • Shell Tooling
- **End-to-End Integration Platform Ownership:** Designed, built, and operated secure integration services that connect cybersecurity tooling end-to-end, improving reliability and reducing operational friction across teams.
- **Production Data Pipeline Design:** Architected and ran event processing pipelines (parse → normalize → enrich → validate) to deliver consistent, high-fidelity telemetry powering dashboards, detections, and SOAR automations.
- **Platform Transition Delivery:** Led technical work to migrate and re-platform 20+ integrations from IBM Resilient to Splunk SOAR, refactoring interfaces, adapting schemas, and hardening deployments to meet production and security requirements.

Senior IT Integrator - Desjardins

May 2021 – Apr 2024

- **Scope:** Banking infrastructure delivery • Risk/Compliance and budget coordination • Cross-team execution (network/security/app)
- **End-to-end Delivery Leadership:** Drove banking infrastructure initiatives from discovery to production, scoping requirements, translating business needs into technical plans, aligning stakeholders, and executing cutovers with operational readiness.
- **Cross-team Technical Program Coordination:** Orchestrated delivery across multidisciplinary teams (network, security, app dev, etc.), managing dependencies, timelines, and risk to keep complex programs moving as a single system.
- **Cost & Capacity Ownership:** Managed budgets and constraints across hardware procurement, licensing, and resourcing; optimized allocation and utilization across parallel initiatives to reduce waste and delivery friction.

Consultant, Optimization and Sales Training Advisor - Vidéotron

Mar 2020 – May 2021

- **Scope:** Retail performance optimization • Sales enablement and training
- **Business-impact Tooling & Enablement:** Built productivity tools and developed training programs to strengthen sales capabilities and improve day-to-day execution across retail teams.

Projects and Open-Source Contributions

AI-Powered Personal Assistant Platform

Aug 2025 – Present

- **Technologies:** FastAPI • PostgreSQL • Redis • Celery • Docker • React • TypeScript • Twilio API • LLM • Vector search
- **Platform Architecture & Infrastructure:** Architected and built a multi-service, production-grade AI platform spanning API, security, data, background processing, and web layers, using PostgreSQL, Redis, Celery, and Docker for scalable, reliable, multi-user operation.
- **Security & Access Control:** Designed and implemented a full authentication and security stack including JWT access/refresh with secure rotation, MFA (TOTP, SMS, recovery codes), RBAC, Redis-backed sessions, rate limiting, and account protection/monitoring.
- **AI System Design:** Integrated LLM workflows and built a hierarchical memory model (STM/LTM) with RAG and adaptive context/state optimization to support continuity across sessions and tool-driven agent behavior.

Coalition for secure AI (CosAI) - Member

Feb 2026 – Present

- Contribute to an open industry initiative focused on secure-by-design agentic systems, covering AI threat models, secure design patterns, infrastructure impacts, and governance for trustworthy deployment.

Education

Université du Québec à Montréal - Bachelor of Science in Business and Management

Jan 2020 – Jul 2023

- Built strong fundamentals in product lifecycle thinking (market analysis, positioning, pricing, operations, and stakeholder management) that I apply to define requirements, evaluate tradeoffs, and deliver customer-facing products in any domain.

Coursera - Deep Learning Specialization

- In-depth training in deep learning covering neural networks, optimization, convolutional networks, sequence models, and best practices for structuring machine learning projects.