

Shayne Lachapelle

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Education

McGill University, BSc in Computer Science, Minor in Entrepreneurship Aug 2023 – Dec 2027

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Databases, Software Design, Computer System Security, Machine Learning

Experience

Software Developer Intern – Coveo Sep 2026 – Dec 2026

- Contributing to the ML Platform team that owns the building phase of the model lifecycle, focusing on the data preparation and training infrastructure behind Coveo's AI-powered search and recommendations.

Summer Technology Analyst – Morgan Stanley May 2026 – Aug 2026

- Developed a REST API using Python and FastAPI to aggregate Kubernetes cluster resources across on-premises and public cloud environments, containerized with Docker and deployed via a GitOps pipeline using Flux, as a proof of concept for onboarding Flagger as the firm's progressive delivery tool.
- Built and maintained CI/CD pipelines using Jenkins to automate container build, test, and deployment workflows, and configured Prometheus and Grafana dashboards for real-time monitoring and observability of deployed services.
- Authored unit tests using pytest to validate API reliability across cluster environments, collaborating within an Agile team of 10 using Jira for sprint planning and delivery tracking.

Power Platform Developer – Pro Services 365 May 2024 – Aug 2024, May 2025 – Aug 2025

- Designed, developed, and deployed custom B2B applications (Warehouse & Transportation Management Systems) using Canvas Apps and Model-Driven Apps, facilitating 500+ transactions and driving \$150K+ in gross profit within 2 months for client companies.
- Engineered scalable integrations between Microsoft Business Central and Dataverse (CDS) by building custom AL code extensions and leveraging Microsoft APIs, enabling real-time synchronization across ERP and user-facing applications.

Projects

Market Cardinal – [GitHub] [Live] | React, Node.js, TailwindCSS, Supabase

- A financial news and market data platform that aggregates headlines from trusted sources and displays real-time stock prices using React, Node.js, TailwindCSS, and Supabase (PostgreSQL, Edge Functions, Auth, Realtime).
- Implemented user authentication and custom watchlists using Supabase Auth and Realtime, with a Node.js WebSocket server feeding live market prices into PostgreSQL and broadcasting updates to connected clients.

Morgan Stanley Code to Give Hackathon | React, TypeScript, Go, Flask, TailwindCSS

- Built an AI-guided, multilingual donation platform for a nonprofit in a 72-hour hackathon with a team of 6, using React, TypeScript, and TailwindCSS on the frontend with a Go and Flask backend integrating a Hugging Face language model, deployed on Vercel.

Technical Skills

Languages: Python, JavaScript, Java, C, SQL, HTML, CSS

Spoken: English, French

Technologies: Kubernetes, Docker, Helm, Flux, Flagger, FastAPI, Prometheus, Grafana, React, Node.js, TailwindCSS, WebSockets, REST APIs

Tools & Platforms: Git, GitHub, Jenkins, Jira, Linux, AWS, PostgreSQL, Supabase, VSCode, IntelliJ

Concepts: OOP, Microservices, CI/CD, GitOps, Containerization, Agile, Distributed Systems, Design Patterns

Certifications

AWS Certified Cloud Practitioner

Jan 2026

- Validated knowledge of AWS cloud architecture, security, and core services including EC2, S3, IAM, Lambda, and CloudWatch.