

Shayne Lachapelle

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Education

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

Experience

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 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 comprehensive unit tests using pytest to validate API reliability and ensure consistent behavior 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 and company information using React, Node.js, TailwindCSS, HTML/CSS, JavaScript, and Supabase (PostgreSQL, Edge Functions, Authentication, Realtime).
- Implemented user authentication with Supabase Auth and custom watchlists using Supabase Realtime, enabling personalized tracking of user selected assets.
- Built a simple Node.js server to feed prices from a market data WebSocket API into the PostgreSQL database, broadcasting changes to the frontend using Supabase Realtime.

Technical Skills

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

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

Tools & Platforms: Git, GitHub, Jenkins, Jira, Linux, PostgreSQL, Supabase, Microsoft Dataverse, Power Automate, Microsoft Power Platform, VSCode, IntelliJ

Concepts: Object Oriented Programming (OOP), Data Structures, Algorithms, CI/CD, GitOps, Containerization, Agile, Operating Systems, Databases, Design Patterns, SDLC

Spoken Languages: English, French

Certifications

AWS Certified Cloud Practitioner Jan 2026

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