

DARIAN LAGMAN

Full-Stack Software Engineer

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Winnipeg, MB, Canada • Canadian Citizen

SUMMARY

Honours Computer Science student and founder of En Login — designed, built, and shipped Stockman to open beta: a full-stack inventory and operations SaaS with role-scoped LLM tooling, GitLab CI/CD, and an integrated forecasting service.

EDUCATION

B.Sc. Honours, Computer Science

University of Manitoba — Minors: Statistics; Physics & Astronomy

Expected Jun 2026

Winnipeg, MB

TECHNICAL SKILLS

Languages Java, TypeScript, Python, SQL, C, Bash

Frontend React, Next.js, Tailwind CSS, Vite

Backend Spring Boot, Node.js, REST APIs, session auth, RBAC, OAuth 2.0

Data & ML NumPy, Pandas, scikit-learn, PyTorch, time-series forecasting (Holt-Winters)

Infrastructure Docker, Docker Compose, GitLab CI/CD, Testcontainers, MySQL, PostgreSQL, Linux, Nginx, Cloudflare

AI Systems Model Context Protocol (MCP), tool-calling agents, Ollama, local LLM hosting, RAG

EXPERIENCE

Founder & Lead Engineer

En Login — Stockman SaaS

Jun 2025 – Present

Winnipeg, MB

- **Designed and shipped Stockman to open beta**, a full-stack inventory and operations SaaS for SMBs, built on React, TypeScript, Spring Boot, Java, and MySQL; deployed to a self-hosted production environment behind Nginx Proxy Manager and Cloudflare.
- **Implemented production authentication and authorization**: session-based login, CSRF protection, BCrypt password hashing, email verification, Google OAuth 2.0, OTP password resets, session limits, and role-based access control.
- **Built a multi-stage GitLab CI/CD pipeline** running JUnit and Testcontainers integration tests, a custom static-analysis exception guard, and frontend build verification; on main, the pipeline builds and pushes versioned backend and frontend Docker images to the registry for deploy.
- **Owned the architecture for an LLM assistant integrated over Model Context Protocol**: defined typed tool contracts, routed every assistant call through the same role-scoped REST endpoints as the UI to inherit user permissions, and built streaming responses for tokens, tool events, and rendered artifacts.
- **Integrated Stripe Checkout subscription billing**, Shopify OAuth with manual and webhook sync, and barcode + GS1 scanning (GTIN, serial, batch); core inventory model handles items, sellable bundles assembled from components, COGS, vendors, and a reorder → approval → PO → goods receipt flow with idempotency.
- **Built an in-house Holt-Winters forecasting service** that drives Stockman's reorder recommendations: from-scratch additive triple exponential smoothing, parameter optimization via grid search and L-BFGS, evaluated against naive seasonal baselines on MAE / RMSE / R².
- **Drove velocity with spec-driven engineering**: wrote architecture and contract specs up front, used Claude Code and Codex for scoped implementation under review, and owned testing, integration, and production deploys end to end.

Software Engineer, Industry Project

University of Manitoba × Raiser's Edge NXT (Blackbaud)

Jan – Apr 2025

Winnipeg, MB

- **Built a 6-server MCP architecture exposing ~50 typed tools** across constituents, gifts, fundraising, events, analytics, and advanced-query domains of Blackbaud's Raiser's Edge NXT CRM, plus a dynamic RAG-based tool that loads additional tools on demand from OpenAPI specs.
- **Authored the final technical report and presentation** comparing monolithic, semantic-filtered, and multi-server MCP topologies on routing, latency, permission boundaries, and maintainability; recommended the domain-split design that was implemented. Final grade: A.

Sales Manager (promoted from Sales Associate)

Urban Planet

2018 – 2023

Winnipeg, MB

- Promoted to Manager; ran daily store operations, scheduling, training, sales execution, and inventory replenishment for a national retail chain location.