

BEN DRUMMOND



Waterloo, ON

(249) 353-1738

bendrummond389@gmail.com



bendrummond.com

bendrummond389

benrdrummond

Software Developer & Data Analyst

PROFILE

Software developer and data analyst with a strong mathematical foundation and a track record of turning manual processes into tested, documented systems. Currently building the City of Kawartha Lakes' municipal data platform: layered Python libraries, scheduled pipelines, and Power BI dashboards over a production SQL Server system. Previously shipped an AI-driven SaaS product end to end as a full-stack developer.

SKILLS

Data & Analytics

Python, pandas, SQL Server, Luigi, Power BI

Web Development

TypeScript, React, Next.js, NestJS, Django

DevOps & Infrastructure

Linux, Docker, systemd, GitHub Actions, Azure

EXPERIENCE

- 9/2025 – Present **Data Analysis Coordinator** **City of Kawartha Lakes – Revenue & Taxation**
- Designed and built the department's data platform from the ground up: layered Python libraries with canonical dataset contracts and repository adapters over the iCity SQL Server system, replacing a legacy monolith with documented, test-covered packages.
 - Automated recurring reporting with scheduled Luigi pipelines and a reusable report-runner framework, producing versioned datasets and Excel reports with auditable run logs.
 - Delivered a weekly payment-analysis pipeline publishing curated Parquet data to Power BI dashboards that track property tax and utility billing payments.
 - Productionized the platform on a Linux automation server – systemd services, file-drop watchers, and offline release bundles for locked-down municipal IT – and authored a full handbook and architecture map for role handoff.
- Python / pandas / SQL Server / Luigi / Power BI / Docker
- 4/2024 – 12/2024 **Full Stack Developer** **Stealth Startup**
- Built a complete AI-driven SaaS platform from concept to deployment, focusing on chatbots for property management and hospitality sectors.
 - Designed and implemented a Retrieval-Augmented Generation (RAG) chatbot using LangChain, enabling context-aware conversations with property-specific information.
 - Set up CI/CD pipelines with GitHub workflows and managed deployment on Vercel, ensuring consistent build quality and reliable releases.
- SvelteKit / Supabase / LangChain / Vercel / OpenAI
- 3/2022 – 9/2022 **Blockchain Developer** **dApp Technology Inc**
- Completed 4-month training program focusing on blockchain development fundamentals and best practices.
 - Implemented a whitelist table in the database with full CRUD operations using Prisma, streamlining user registration.
- React / Solidity / Prisma / Ethers.js

VOLUNTEER EXPERIENCE

- 4/2024 – 8/2025 **Volunteer English Teacher** **The Happiness Project, Ojochal, Costa Rica**
- Planned and delivered weekly English language lessons to beginner and intermediate adult learners in a rural community setting, creating custom worksheets and conversation exercises.

EDUCATION

- 2018 – 2022 **BSc.H in Mathematics** **University of Guelph**
- Completed requirements for General Science degree; capstone pending to finalize Mathematics specialization.