

ADAM KOZIORZ

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Summary

Full-stack engineer with 20 months of production experience building cloud ETL pipelines, internal LLM-powered tools, and geospatial web applications. Passionate about pragmatic, privacy-aware software design.

Education

University of Waterloo

Bachelor of Computer Science, Honours Co-op

Waterloo, ON

Sept 2020 – Apr 2026

- Cumulative GPA: 3.7 / 4.0

Experience

Business Technologist Intern

Regional Municipality of Durham Region

May 2025 – Aug 2025

Whitby, ON

- Extended an internal AI scribe prototype (**Python, Ollama**) using the Chain-of-Agents framework to improve long-context information recall under privacy and CPU-only deployment constraints
- Developed an internal app (**Electron, TypeScript, React**) that replaced a 2-hour manual counselor availability workflow with a single upload-and-process step, enabling quicker and more accurate cross-team reporting
- Contributed to early-stage data architecture planning and privacy review discussions for a proposed AI-assisted analytics system; presented implementation considerations to regional staff and leadership

Data Scientist and Project Lead

Genellipse Inc.

Jan 2024 – Aug 2024

Mississauga, ON

- Maintained and extended **Azure** ETL pipelines built during a prior term, ensuring continued reliability while supporting new reporting requirements
- Led weekly Agile sprint ceremonies as sprint leader, including kickoff planning and sprint closure communications

Data Scientist

Genellipse Inc.

Jan 2022 – Aug 2022

Mississauga, ON

- Spearheaded the full migration of on-premises Alteryx reporting pipelines to **Azure**, automating data refreshes and reducing runtimes from 90 minutes to 5 minutes
- Developed analytics dashboards (**Python, SQL, Power BI**) surfacing operational insights for a hospitality client

Projects

Mealer | *React, Node.js, PostgreSQL, MapLibre GL* | Live: <https://mealerapp.com>

May 2026

- Full-stack restaurant tracking platform with interactive maps, Dockerized services, and automated daily PostgreSQL backups to Backblaze B2
- Built REST API and frontend state layer using Kysely, React Query, and Zustand inside an npm monorepo following a layered code architecture
- Implemented Google OAuth from scratch without third-party libraries, handling token exchange, session management, and secure cookie configuration

Technical Skills

Languages: TypeScript, Python, SQL, JavaScript

Frontend: React, Zustand, React Query, TailwindCSS, MapLibre GL

Backend & Data: Node.js, Express, PostgreSQL, Kysely, Pandas, NumPy, Ollama

Infrastructure & Tools: Docker, Azure, AWS, Electron, Git, Power BI

Certifications: Microsoft Azure Fundamentals (AZ-900), Microsoft Azure AI Fundamentals (AI-900)