

Arkel Ziko

arkel.ziko@gmail.com | github.com/ArkelZiko | linkedin.com/in/arkel-ziko

TECHNICAL SKILLS

Languages: C#, SQL, Python, JavaScript, Ruby

Developer Tools: Claude Code, Cursor, Copilot, Git, Postman, Swagger, Azure

Frameworks: ASP.NET/ASP.NET Core, Ruby on Rails, Tailwind CSS

Database Technologies: Microsoft SQL Server, Azure SQL, PostgreSQL

EXPERIENCE

Software Engineering Intern

May 2026 – Present

GreenShield

Toronto, ON

- Incoming Summer 2026 Intern for the API Pod Team

Undergraduate Research Assistant

July 2025 – Present

McMaster University

Hamilton, ON

- Conducting an undergraduate research project in Sports Analytics using machine learning to forecast injury risk for NBA players, supervised by Dr. Behrouz Bakhtiari and Dr. Yunfei Ma
- Built a data extraction pipeline using Python to fetch and process **+500,000** player data points from an external API, implementing rate-limiting strategies to handle API constraints
- Designed a relational database schema to support efficient storage of player statistics and injury datasets
- Reduced SQL query execution time by **20%** and implemented data sanitization logic that resolved dataset inconsistencies, improving our ML model's data quality by **~45%**

Software Developer Intern

May 2025 – Aug. 2025

Rismans

Etobicoke, ON

- Developed features for the IM Core, an enterprise data management software while collaborating with external business clients to support their data storage, analysis, and automation needs
- Led the overhaul of the legacy email delivery system by replacing it with Microsoft Graph API, implementing OAuth2 authentication to improve security and reliability
- Optimized ETL scripts for Excel data ingestion, reducing processing time by **18%** and improving throughput
- Built internal database tooling including index recommendation views and foreign key reference trackers, reducing troubleshooting time by **40%+** and streamlining workflows for business analysts

Software Developer Contractor

July 2024 – Aug. 2024

AutoM8 Technologies

Markham, ON

- Contributed to a web-based dashboard used by **10+ automotive businesses** to seamlessly track and manage the vehicle files of their clients
- Integrated a third-party VIN identification service by building API controllers that parsed, validated, and stored decoded vehicle data linked to customer profiles in an Azure database
- Engineered and optimized SQL queries for front-end data rendering, reducing query response time by **~15%**
- Designed a store-on-first-retrieval pipeline that persists compressed and encrypted artifacts in Azure Blob Storage, reducing repeat file retrieval latency by **90%**

PROJECTS

RecruiterWho | [Ruby on Rails](#), [PostgreSQL](#), [Hotwire](#), [Tailwind CSS](#) | WIP

Mar. 2026 – Present

- Building a platform where job candidates can leave anonymous, constructive feedback on recruiters, helping users make informed decisions while strengthening recruiter reputations
- Structured the CRUD app to be read-heavy, as most traffic will be recruiter profile views, by precomputing review counts and average ratings and adding database indexes on frequently queried fields to improve read performance

Vocabbit | [JavaScript](#), [Tailwind CSS](#), [IndexedDB](#) | [Chrome Web Store](#)

July 2025 – Mar. 2026

- Deployed a Chrome extension for language learning with **40+ total downloads** and **10-20 daily users**, enabling users to highlight foreign words on any webpage to translate and save to a personal dictionary
- Created a robust text restoration system for **45 languages** using XPath and the DOM Range API, reliably persisting highlights across page reloads, dynamic DOM mutations, and non-Latin languages

EDUCATION

McMaster University

Sep. 2024 – Present

Bachelor of Applied Science in Computer Science

Hamilton, ON