

Qusay Qadir

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EDUCATION

McMaster University

Toronto, ON

B. Eng Software Engineering CO-OP

Expected Grad: April 2027

- **Courses:** Data Structures & Algorithms, Operating Systems, Databases, Computer Networks, Software Design I-III

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, C#, C/C++, SQL, HTML/CSS, Dart

Developer Tools: AWS, Git/Github, PostgreSQL, Docker, GCP, MySQL, MongoDB, Kubernetes, Firebase, Jira

Libraries/Framework: Spring Boot, NodeJS, ReactJS, Tensorflow, Pandas, NumPy, PySpark, Flask

EXPERIENCE

Incoming Data Platform Engineering Intern

Jan 2026

RBC Borealis, Lumina Platform

Toronto, ON

Software Engineer Intern, Full Stack

July 2025 - Dec 2025

Stealth AI Startup, founders @ Google, Meta

San Francisco Bay-Area, CA

- Launched a full-stack real estate buyer platform using **Dart** and the **Flutter** framework for a dynamic UI improving user retention by **35%**. Implemented **Google ADK**, **Python**, **Node.js** for backend workflows and **RESTful APIs**
- Delivered **55%** more accurate real estate listings for **10+** active users, managed live and persistent session context with **GCP PostgreSQL**, and performed query optimization by caching identical searches, raising cache hit rate from **20% to 88%**
- Developed, tested, deployed on custom **CI/CD** pipelines engineered in **Github Actions**, created integrated test cases and LLM agent evaluations reducing bugs by **40%** through out the **software development life-cycle**
- Collaborated with a distributed team of **3+** engineers to design scalable architecture, balancing rapid prototyping with production-grade quality in an **Agile** setting

Software Engineer, ML & Data

Nov 2024 - Present

McMaster Exoskeleton

Hamilton, ON

- Built a **Python LSTM DNN** for time-series sensor data to classify exoskeleton movement type (e.g. walking, running, climbing) using **tensorflow**, **scikit-learn**, and **pandas**, achieved a **MAPE** of **6.2%**. Productionized the model as a **Flask API**, enabling real-time predictions that enhanced mobility accuracy and extending suit longevity
- Designed and deployed a scalable **ETL data pipeline** on **AWS Lambda**, **EC2**, **S3**, and **Glue** for cross-team data communication. Allowed data-set sharing through a custom **command line tool**, optimized upload time, reducing it by **40%** by provisioning multi-threaded transfers via **Apache Spark**, ensuring **100% data integrity** via checksum validation

Software Engineer Intern, Data

Apr 2024 - Aug 2024

Scotiabank - Bank of Nova Scotia

Toronto, ON

- Engineered a scalable **ELT data pipeline** using **Python**, **Kafka**, and **BigQuery**, **Dataflow**/**PubSub** to migrate **4TB+** legacy IBM commercial customer server data to **GCP BigQuery** with **99.9%** uptime
- Leveraged **Terraform** to provision cloud infrastructure and monitored pipeline health and performance using **Stackdriver** reducing incident response time by **40%** and preventing critical downtime
- Optimized **SQL** transformations and modularized dbt models to reduce query latency by **30%** and improved dashboard performance for **50+** analysts supporting daily operations of the commercial banking team

PROJECTS

Autonomous Rescue Drone — Java, OOP Design Principles

April 2025

- Engineered a **Java-based state machine navigation system** that enabled autonomous drones to locate stranded individuals and identify safe landing zones with **100% success in simulated disaster terrains**. Designed, tested (**JUnit**), and implemented with strong **OOP design principles** to ensure scalability and maintainability under real-world drone and stakeholder constraints

F1 Live Dashboard & LLM Chatbot — Python, NLP, SQL, AWS, Airflow

Aug 2025

- Built a full-stack real-time F1 telemetry dashboard using **AWS EC2**, **Kafka**, **Flink**, **Redis**, and **MySQL** streaming over **100K+** live data points per race per driver with sub-second latency and a **99.9%** data accuracy
- Created a **Python NLP** pipeline for a **LLM chat bot** fine-tuned on historical race data, strategy, and engineering heuristics to assist strategy engineers with car setup, pitstop timing, improving simulated race outcomes by **+2 finishing positions**