

# Maaz Hashmi

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Toronto, ON

## SKILLS

**Languages:** Python, Java, JavaScript/TypeScript, C, SQL

**Frameworks:** React (Native), Angular, Django, Next.js, Node.js, Express.js, Flask, SpringBoot

**Data/Databases:** MySQL, PostgreSQL, MSSQL, SQLite, MongoDB, Elasticsearch, Databricks

**Cloud/DevOps:** Kubernetes, Azure, AWS, GCP, Terraform, GitHub Actions

**Dev Tools:** Git, Docker, Maven, Jira, Cursor

## WORK EXPERIENCE

### Software Developer

Royal Bank of Canada — Business and Technology Consulting

Aug. 2024 – Present

Toronto, ON

- **RBC Investor Services** — *Angular, SpringBoot, Elasticsearch*
  - \* Enhanced user engagement and platform adoption by refreshing a legacy **Angular** dashboard and implementing a platform-wide search capability for RBC's client-facing portal.
  - \* Drove a **97%** reduction in application load time (from **20s** to **600ms**) by identifying and resolving a critical pre-release performance bottleneck; the solution was adopted as a scalable pattern for other platform applications.
- **Gore Mutual** — *Django, SQL, Azure, Databricks*
  - \* Developed a **Master Data Management** system automating data ingestion, cleansing, and role-based approvals, reducing client's data management overhead by **30%**.
  - \* Successfully delivered a production-ready application within a tight **3** month timeline while adhering to agile practices.
- **IMCO** — *Liquibase, Azure DevOps, SparkSQL*
  - \* Designed and implemented automated schema deployment framework optimizing database migrations and improving the team's deployment efficiency by **20-30%**.
  - \* Collaborated with client **QA/DevOps** teams to align the framework with their critical pain points, leading to high adoption and positive feedback during multiple demos.

### Software Developer Co-op

Royal Bank of Canada — *Java, SpringBoot, Maven, Jenkins*

Jan. 2023 – Apr. 2023

Toronto, ON

- Enhanced existing **SpringBoot** APIs powering mainframe verification and transactions at over **4000** RBC ATMs.
- Resolved **22** critical security vulnerabilities in the codebase caused by **Maven** dependencies, twice as fast as estimated.
- Performed successful migration of legacy **SpringBoot** applications from **Java 8** to **Java 17** by rewriting incompatible code components into new syntax and updating sub-dependencies.

### Software Engineer Co-op/Part-Time

University Health Network — *Python, MSSQL, React, PHP, LaTeX*

Jan. 2022 – Dec. 2022

Toronto, ON

- Developed an automated **ETL** pipeline to transform custom clinical survey results into a normalized data model in **pandas** to enable standard data visualization practices.
- Increased team productivity by developing reusable **Python** scripts that automated the generation of clinical result reports.

## PROJECTS

### GitHub Open Source Contribution

Popular LLM Library with over **88K** stars — *Python*

Sep. 2023 - Dec. 2023

- Expanded language support in **Langchain** within the LanguageParser module to enable **Retrieval Augmented Generation (RAG)** with source code files in **12** programming languages.
- Pull request reviewed and accepted within **2** months and merged into version **0.1.17**.

### Scholarly

Real-time online tutoring application powered by **WebRTC** — *Next.js, Node.js*

Jan. 2023 – Apr. 2023

- Implemented a production-ready **Stripe** payment system with asynchronous processing via **webhooks**.
- Deployed the application using **Docker** and **Amazon Lightsail**, with **LetsEncrypt** TLS certificates.

## EDUCATION

### University of Toronto - Honors Bachelor's of Science

Major in Computer Science — *Specialization in Software Engineering Stream*

Sep. 2020 – Jun. 2024

Toronto, ON

- **Teaching Assistant** – *CSCC09, CSCC01, CSCB07, MATA32, MATA33, MATA34, MATA36*

Mentored **30+** students weekly in core Computer Science concepts including **software engineering** and **web development**, improving their understanding of **Java, JavaScript**, and more.