Maaz Hashmi

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SKILLS

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

Frameworks: Angular, React / React Native, 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

WORK EXPERIENCE

Software Developer　　　　　　　　　　　　　　　　　　　　　　　　　　　Aug. 2024 – Present
Electric Mind — Business and Technology Consulting　　　　　　　　　　　　　　　Toronto, ON

- **RBC Investor Services** — *Angular, SpringBoot, Elasticsearch*
  * Diagnosed and fixed a release-blocking concurrency bug by uncovering thread-unsafe singleton session state in the backend, preventing intermittent server errors during concurrent API calls and stabilizing client launch.
  * Drove a **97%** reduction in dashboard load time (**20s → 600ms**) by identifying and eliminating excessive JavaScript/CSS bundle bloat caused by repeated global style imports in Angular components; solution was shared across teams and adopted to optimize other platform micro-apps.
- **Gore Mutual** — *Django, SQL, Azure, Databricks*
  * Contributed to backend architecture discussions for a **Databricks → MySQL** ETL pipeline handling over **10K** records in a **Django** application, including automated data cleansing and transformation workflows.
  * Implemented complex broker-facing UI features such as hierarchical views, search, and pagination, and collaborated with the design team to propose a performant UX that was approved by the product owner.
- **IMCO** — *Liquibase, Azure DevOps, SparkSQL*
  * Led the implementation of an automated schema deployment framework optimizing database migrations and improving the client's deployment efficiency by **20-30%**.
  * Collaborated with client **QA/DevOps** teams to align the framework with their critical pain points, leading to eventual adoption and received positive feedback during multiple demos.

Software Developer Co-op　　　　　　　　　　　　　　　　　　　　　　　Jan. 2023 – Apr. 2023
Royal Bank of Canada — *Java, SpringBoot, Maven, Jenkins*　　　　　　　　　　　　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　　　　　　　　　　　　　　　　　　Jan. 2022 – Dec. 2022
University Health Network — *Python, MSSQL, React, PHP, LaTeX*　　　　　　　　　　Toronto, ON

- Developed an automated **ETL** pipeline in **Python** and **pandas** that saved **10+** research hours weekly by transforming custom clinical surveys into a normalized data model for faster visualization.
- Increased team productivity by developing reusable **Python** scripts that automated the generation of clinical result reports.

PROJECTS

⯃ Langchain Open Source Contribution　　　　　　　　　　　　　　　　　Sep. 2023 - Dec. 2023
Popular LLM Library with over **88K** stars — *Python*

- 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**.

EDUCATION

University of Toronto - Honors Bachelor's of Science　　　　　　　　　　　　Sep. 2020 – Jun. 2024
Major in Computer Science — *Specialization in Software Engineering Stream*　　　　　　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.