

Maaz Hashmi

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🐙 GitHub

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SKILLS

Languages: Python, Java, JavaScript/TypeScript, C, C++, SQL, Racket, Haskell, HTML, CSS, Solidity, PHP, LaTeX
Frameworks: React (Native), Next.js, Node.js, Express.js, Sass, Angular, SpringBoot, MongoDB, PostgreSQL, MSSQL
Tools: Docker, Git, AWS, Android Studio, Wireshark, Metasploit, Maven, Jenkins, Postman, Jira, Web3, UNIX

EDUCATION

University of Toronto - Honors Bachelor of Science Sep. 2020 – Jun. 2024
Major in Computer Science — *Specialization in Software Engineering Stream* Toronto, ON
• **Awards:** University of Toronto Scholar, Fall 2021 Dean's List

WORK EXPERIENCE

Software Developer Co-op Jan. 2023 – Apr. 2023
Royal Bank of Canada — *Java, SpringBoot, Maven, Jenkins, Groovy, Dev-Ops, JIRA, Git* Toronto, ON
• Maintained and enhanced SpringBoot apps for **4000+** RBC ATMs, ensuring robust mainframe transactions.
• Addressed and eliminated **22** Maven-related security flaws by their **CVEs**, securing the bank's client data integrity.
• Led the upgrade of multiple backend apps from **Java 8** to **Java 17**, boosting performance and security standards.
• Automated **Jenkins** pipelines for **CI/CD** using **Groovy** scripts, reducing deployment time by **30%**.

Software Engineer Co-op/PT Jan. 2022 – Dec. 2022
University Health Network — *Python, MSSQL, ReactJS, PHP, LaTeX, Git* Toronto, ON
• Maintained and developed numerous **Python** scripts for data extraction, automation and testing.
• Enhanced patient database integration with custom **Python** algorithms for over **600** records in SQL.
• Streamlined **LaTeX** report generation using **pandas**, improving documentation efficiency for medical professionals.
• Led a **ReactJS** website revamp with a contemporary UI, ensuring project delivery within stringent timelines.

Teaching Assistant Jan. 2022 – Present
University of Toronto — *CSCC09, CSCC01, CSCB07, MATA32, MATA33, MATA34, MATA36* Toronto, ON
• Conducted weekly tutorial sessions with over **30** students covering concepts in **software engineering**, **object oriented programming** and **web development** using **Java**, **ReactJS**, **Node.js**, etc.

RELEVANT EXPERIENCE

🐙 **Weast** — *Python, SQLite, AWS S3/EC2, Docker, Papertail, OpenAI* Jun. 2021 – Present
• Developed a multi-purpose **discord.py** bot in **Python** and **SQLite** for a public server with over **500** active users.
• Streamlined image storage and retrieval using **AWS S3**, **Papertail** for logging, and **AWS EC2** for hosting.

🐙 **Langchain Open Source Contribution** — *Python, tree-sitter* Sep. 2023 - Dec. 2023
• Contributed to an open-source LLM framework, by expanding language support in their LanguageParser module.
• Used the **tree-sitter** library to parse code snippets in various languages, including Java, C++, Scala, Rust, etc.

🐙 **SpideyBot** — *Python, tkinter, socket, rsa, tcp/udp* Sep. 2023 - Dec. 2023
• Developed an AI chatbot, enabling exchange over selected network protocols (**TCP/UDP**) via socket programming.
• Implemented asymmetric encryption using the **RSA** protocol for secure communication between clients and server.

🐙 **Scholarly** — *TypeScript, Next.js, Node.js, PostgreSQL, Docker, AWS Lightsail* Jan. 2023 – Apr. 2023
• Architected and built a peer-to-peer video chat web application in **Next.js** for live online tutoring using **PeerJS**.
• Integrated with numerous APIs (**FullCalendar**, **Stripe**, **SendGrid**) and a **PostgreSQL** database for storage.

🐙 **Promedio** — *ReactJS, Node.js, Express.js, MongoDB* Sep. 2022 – Dec. 2022
• Led a team of 6 in **web development** to assist **500+** university students keep track of their grades and progress.
• Engineered a **CRUD** API with **Express/Node.js**, adhering to **RESTful** principles, managing data in **MongoDB**.

🐙 **CartMax** — *Java, Android Studio, Firebase, Mockito* Sep. 2021 – Dec. 2021
• Developed an **Android** application in **Java** to enable users to shop for groceries online during the pandemic.
• Implemented a **Firebase** backend to store user data and integrated **Mockito** for unit testing.