

Maaz Hashmi

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🐙 GitHub

🌐 LinkedIn

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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

- Developed and maintained numerous **SpringBoot** applications responsible for mainframe verification and transactions at over **4000** RBC ATM locations.
- Investigated and resolved **22** security vulnerabilities, caused by specific **Maven** dependencies in the backend, down to **0** thereby mitigating potential risks to the bank's internal and external client data.
- Successfully migrated several backend applications from **Java 8** to **Java 17**, resulting in improved performance and security for customers, and keeping the bank up-to-date with the latest technologies.

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 master 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

🐙 Langchain Open Source Contribution — *Python, tree-sitter*

Sep. 2023 - Dec. 2023

- Collaborated with a team to expand language support in the LanguageParser module for the Langchain framework.
- Used the **tree-sitter** library to parse code snippets in various languages, including Java, C++, Scala, Rust, etc.

🐙 Scholarly — *Next.js, Node.js, PostgreSQL, TypeScript, Docker, AWS Lightsail*

Jan. 2023 – Apr. 2023

- Architected and built a peer-to-peer video chat web application in **NextJS (React)** for live online tutoring.
- Implemented video chat functionality using **PeerJS**, and utilized numerous backend/frontend API's such as **Stripe**, **FullCalendar**, **SendGrid** for additional features, paired with a robust backend architecture using **Node.js/TypeScript** and **PostgreSQL** to ensure resilience and scalability.
- Deployed the application using **Docker** containers and **Amazon Lightsail** VM, ensuring ease of management.

🐙 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.

🐙 Weast — *Python, SQLite, AWS, Papertail, OpenAI*

Jun. 2021 – Present

- Collaborated with a peer to build a multi-purpose **discord.py** bot in **python** and **SQLite** over **500** active users.
- Structured a robust **WebAPI** to store images on **AWS S3** resulting in **10%** better time and space efficiency.
- Integrated a chatbot command using **OpenAI's ChatGPT API** for instant search and conversational queries resulting a **30%** increase in user interaction.
- Streamlined deployment by serving the project over an **AWS EC2** server using **Docker** containers and setup CI/CD using **Github Actions**, resulting in a seamless experience for users.