

Mathew Estafanous

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Education

B.Sc Computer Science CO-OP

Toronto Metropolitan University (formerly Ryerson University) | September 2021 - April 2025

- 4.33 / 4.33 cGPA

Work Experience

Software Engineer Intern

JetBrains | May 2022 - August 2022

- Implemented parsing and generation logic that resulted in eliminating **90%** of previously required user configuration.
- Lead the development of a core docker-compose IDE feature, optimizing development feedback cycle to **under 2 seconds**.
- Streamlined reloading processes that eliminated redundancies, resulting in minimizing wasted resources during reload.
- Established a system that identified lost connections and proactively attempted reconnection, resulting in up to a **50% increase** in stable connections.
- Presented design documents that **outlined** quantifiable goals and steps for **efficient** development of core features.

Coding Instructor

Code Ninjas | September 2021 - February 2022

- Conveyed programming concepts in a manner that is **easy to understand**. Doing so by providing clear examples and visuals.
- Expanded upon lesson plans to forge a learning environment that best fit the kids' learning objectives.
- Provided feedback regarding the curriculum and **identified improvements** based on the student's experience, resulting in **increased engagement**.

Project Experience

HashiCorp Core Contributor (Open Source) - [GitHub](#)

- Recognized as a **HashiCorp Core Contributor** for 2022 and was invited to engage more closely with engineers in making future open source contributions.
- Initiated the transition of **100+** tests to utilize HTTP handlers, resulting in the **identification of an unnoticed bug** and developing a solution that immediately fixed the bug.
- Proposed and implemented a solution to unify all HTTP status errors into a **single** error type, which **minimized complexity**.
- Continually communicated with other developers by evaluating technical **solutions** and **incorporating feedback**.

Ur-Codebin (Code Sharing Website) - [GitHub](#) | [Website](#)

- An application that allows users to post sections of their code and share it with a **single link**
- Produced sets of reliable unit tests that ensure critical functionality was maintained **100%** of the time.
- Designed a system that incorporated applicable design patterns, enabling a clean code base that **maximizes productivity**.
- Streamlined deployment process down to a simple **2 step process**, through the use of containers, minimizing potential deployment issues.

Open Stage - [GitHub](#) | [Website](#)

- A Q&A platforms that enables hosts to create rooms and invite others to join using a short code.
- Engineered business logic into decoupled layers, creating a **modular system** that maximized **testability** and **reusability**.
- Implemented a **secure authentication system** that enabled a seamless login and account system.
- Composed **detailed documentation** that outlines the architecture of the app and how each part is used. Such as creating database schemas and API documentation.

Technical Skills

Programming Languages: Java, Go, Kotlin, JavaScript, Python, HTML/CSS

Technical Tools: Git, Docker, Spring Boot, Hibernate, Linux, React.js, AWS, MySQL, PostgreSQL, Redis, REST APIs, Nginx

Principles: Object-Oriented Programming, Unit Testing, S.O.L.I.D Design Principles, Domain-Driven Design