Mathew Estafanous

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Work Experience

Software Engineer Intern

JetBrains | May 2022 - Present

- Implemented parsing and generation logic that resulted in eliminating **80%** of previously required user configuration.
- Lead the development of a core docker-compose IDE feature which optimized development cycle to **under 2 seconds.**
- Identified failing test cases and proactively developed bug fixes which ensured **100%** of test cases passed.
- Presented design documents that outlined quantifiable goals and steps for **efficient** development of core features.
- Coordinated with a **multidisciplinary team** of engineers, product managers and UX designers to outline weekly goals.
- Streamlined computational processes that eliminated redundancies and **minimized wasted resources.**

HashiCorp Core Contributor (Consul, Open-Source)

HashiCorp | 2021 - 2022

- 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**.

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.
- Provided feedback regarding the curriculum and **identified improvements** based on the student's experience, resulting in **increased engagement.**
- Expanded upon lesson plans to forge a learning environment that best fit the student's learning objectives.

Project Experience

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.

Education

B.Sc Computer Science CO-OP

Toronto Metropolitan University (formerly Ryerson University) | September 2021 - Present

- 4.33 / 4.33 cGPA

Technical Skills

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

Technical Tools: Git, IntelliJ, Docker, Spring Boot, Hibernate, Maven, Gradle Linux, React.js, AWS, MySQL, PostgreSQL, Redis, REST APIs, JUnit

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